



## THE SCHOOL OF COMPUTING AND TECHNOLOGY

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Group 03

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## **1. Introduction**

With the advancements in the technology over the last twenty years a new trend of online education has started to emerge. For more than a decade now various learning management systems offer a viable alternatives to a traditional education. A lot of top universities nowadays have started to offer their existing programs online. Degrees, as a result, have become much more accessible due to a significant reduction in cost and elimination of a need to travel abroad. Programmers are constantly innovating in the field of online education, by adding new facilities and improving current shortcomings in order to provide more and more refined platforms for distant education.

### **1.1. Scope**

Project will comprise multiple stages of development. During the preliminary stages our team will conduct a group research on the subject matter. After gathering sufficient amount of intelligence, the milestones will be set and responsibilities will be given out according to the area of expertise of each group member. Due to a relative inexperience of our team, we will favour a Unified Process development methodology in order to compensate for the existing risks. By the end of the ITEC 403 course we plan to develop an approximate schematics and models of a future website and all of its required components. The latter will be refined and finalized during the ITEC 404 course, and will serve as a blueprint for the physical implementation and testing involved in the final stage.

### **1.2. Objectives**

Our objective is to provide tutors and students with a sophisticated platform to conduct their studies online. We plan to develop and implement a system that would cover the needs of a distance education. Among other various functions it would employ the ability to allow students to attend classes online, participate in examinations, and receive a comprehensive feedback from the lecturers. System would also be made to withstand various security threats such as SQL injections and buffer overflows, assuring the security and confidentiality of user data.

### **1.3. Benefits**

Online education websites provide a very sought after opportunity of on-demand education that is highly flexible and convenient. E-learning solutions that are available today offer a cutting edge content, that is constantly being refined and updated, and is significantly cheaper compared to traditional education. Not only does e-learning provide an alternative route for students but also helps workers to stay competitive in today's job market.

#### **1.4. Learning Outcomes**

With the completion of this project it is expected to develop a fundamental knowledge and understanding of processes and techniques involved in analysis, design, development, and implementation of a software projects. Gain a deeper insight into the specifics of a hardware that would be chosen to house developed software. Improve the knowledge of programming languages involved in the development. Learn to work as a team and get in tune with the aspects of project management methodology in order to deliver a working product within a set deadline.

## **2. Hardware And Software Requirements**

### **2.1. Hardware Requirements**

- CPU Socket**

In order to facilitate an optimal response time for multiple simultaneous user requests a 2.4GHz processor has been used. However, a lower tier processors such as 1.4 GHz models would suffice for a bare minimum.

- RAM**

We have used 8GB of RAM, but it should be noted that 2GB of RAM should be sufficient.

- Disk Space**

It is advisable to have at least 160-GB of hard disk space with a 60-GB system partition.

- Internet Connection**

In order to support an extensive workload that the server is going to experience a broadband connection is highly recommended.

### **2.2. Software Requirements**

- Microsoft Word**

Microsoft Word 2013 has been used to edit the final version of the report due to its simplicity and flexibility.

- Microsoft Project**

Microsoft Project 2013 has been used in order to create the Gantt chart and outline important milestones and deadlines.

- Microsoft Visio**

Microsoft Visio 2013 has been used in order to create the required UML diagrams such as Use-Case Diagrams, Activity Diagrams, and Domain Class Diagram. Entity Relationship Diagram was also created with the help of this tool.

- **WAMP server**

WAMP server was used in order to fine tune and refine the PHP scripts and the website prototype locally on our systems.

- **PHP**

We have chosen PHP as our main server-side scripting language because it is freely available, is relatively widespread, therefore finding solutions to occurring problems would not be that difficult, and it is an open-source framework.

- **MySQL**

MySQL was chosen as our RDBMS option because of it has an excellent synergy with PHP and is also open-source by nature.

- **Adobe Dreamweaver**

User-Interface sketches have been made with the help of Adobe Dreamweaver. In future we plan to use it as one of our main development tools due to its convenient and easy to use interface and overall functionality.

### **3. Proposed System**

#### **3.1. Planned Activities**

In the preliminary phase of our project have spread the responsibilities among the group members with the appropriate aptitudes. Those roles and responsibilities have been documented inside the Gantt chart. Each team member has carried out his responsibility regarding the completion of the required UML diagrams, system specifications, and Interface sketches in order to meet the set deadline.

We have decided to conduct additional research by delving into the existing examples of a similar systems in order to learn from their experience and possibly to innovate based on the gathered information. We have tried to gain an insight from those examples in order to avoid possible pitfalls.

Having gathered considerable amount of data, we will use this accumulated knowledge and experience in order to implement the system.

Upon implementation we intend to spend the remaining time discovering bugs and glitches.

#### **3.2. Issues and Risks**

Several issues have accrued during the design phase, particularly regarding the database design. Initially we have agreed upon using an Inheritance relationship for the entities Student and Lecturer, but moving forward and listening to the provided feedback from our advisors we are leaning towards separating those entities in the future design.

In addition, we have addressed the issues that were pointed out by the advisors, namely the lack of flow and meaningful names in the Activity Diagrams.

Missing attributes, like score and date in the Entity Relationship Diagram and Domain Class Diagram have been reintroduced.

## 4. Project Management Plan And Gantt chart

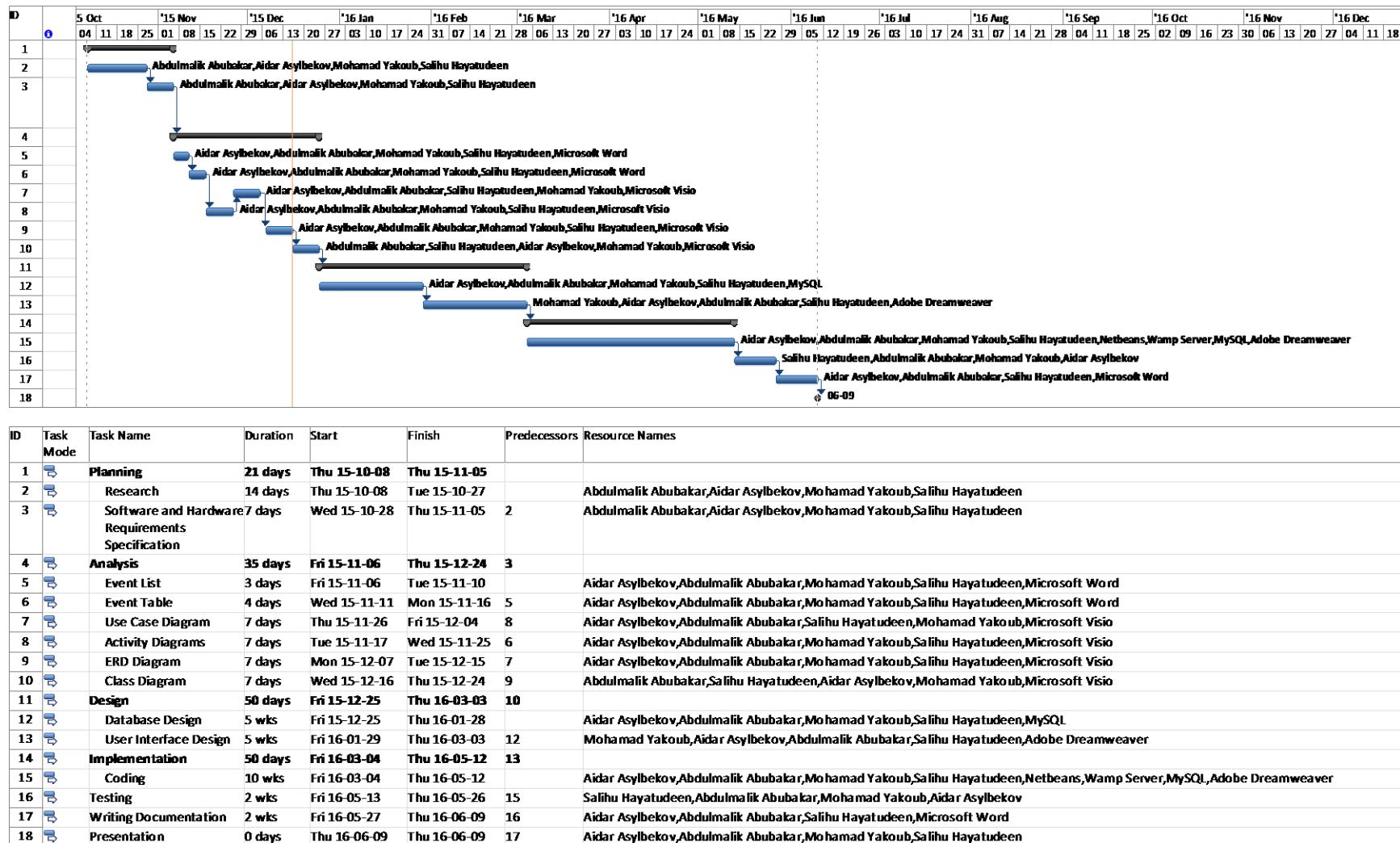


Figure 1 – Gantt chart

## 5. UML Modeling

### 5.1. General Use-Case Diagram

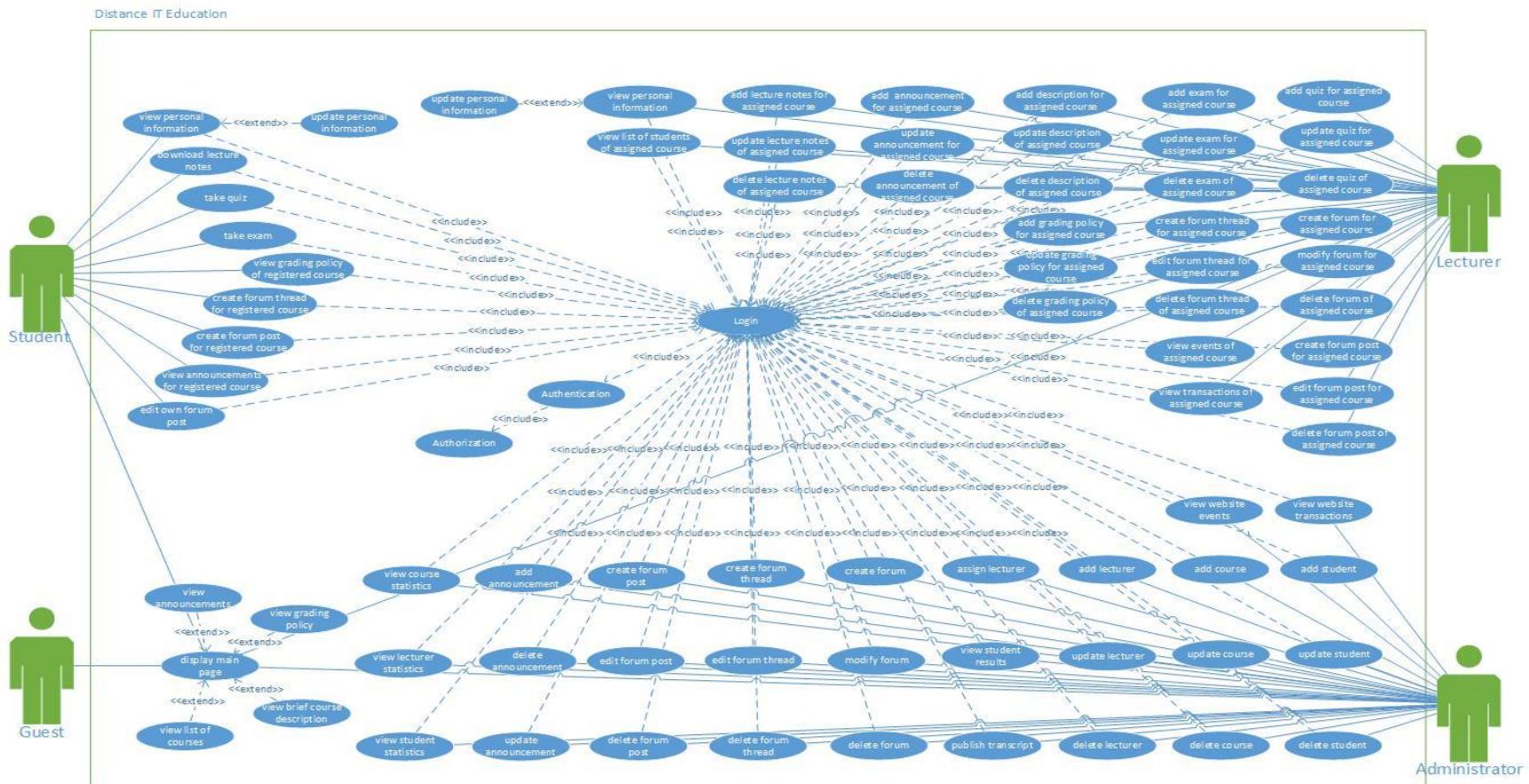


Figure 2 – General Use-Case

## 5.2. Partial Use-Case Diagram for Administrator

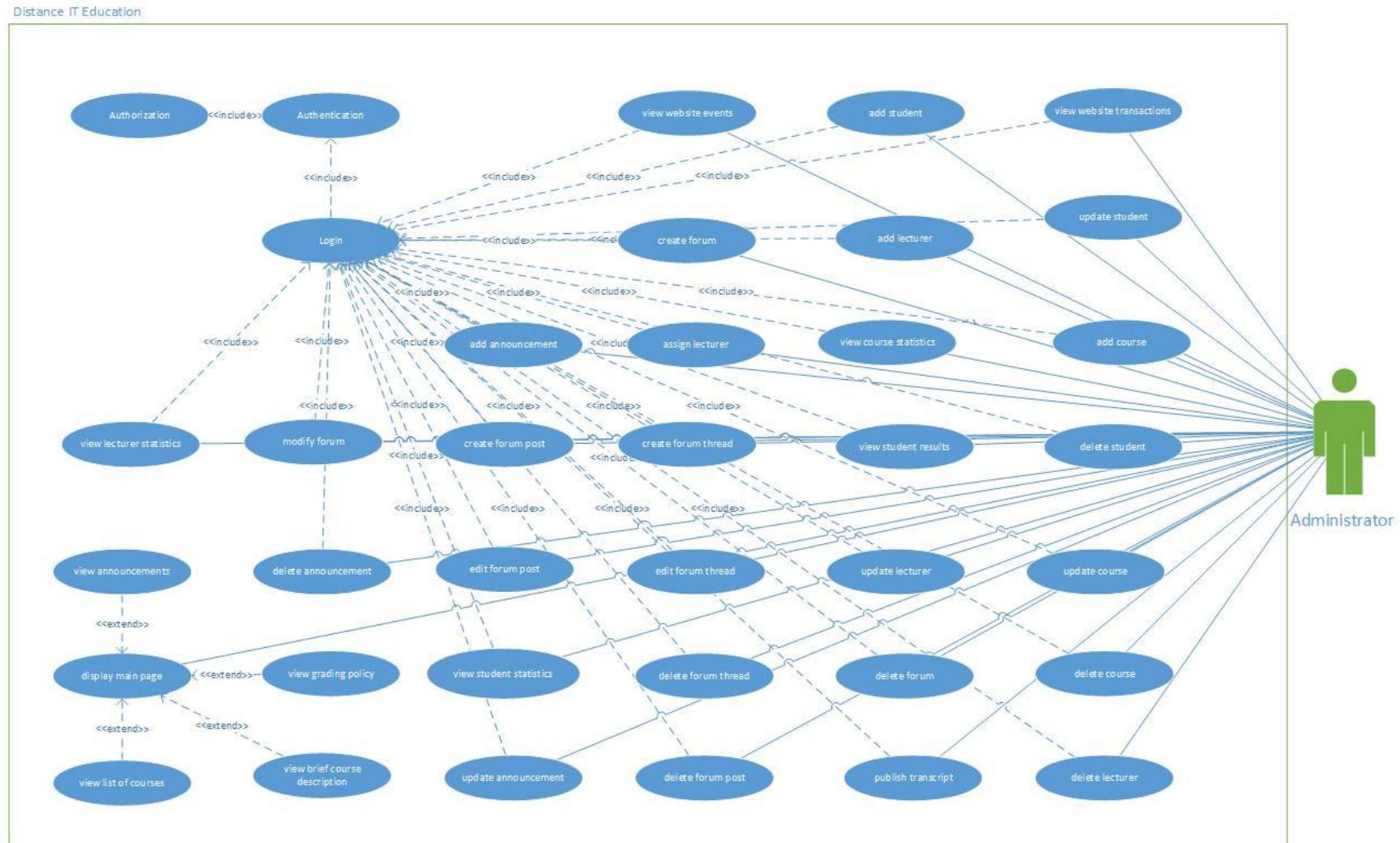


Figure 3 – Partial Use-Case for Administrator

### 5.3. Partial Use-Case Diagram for Lecturer

Distance IT Education

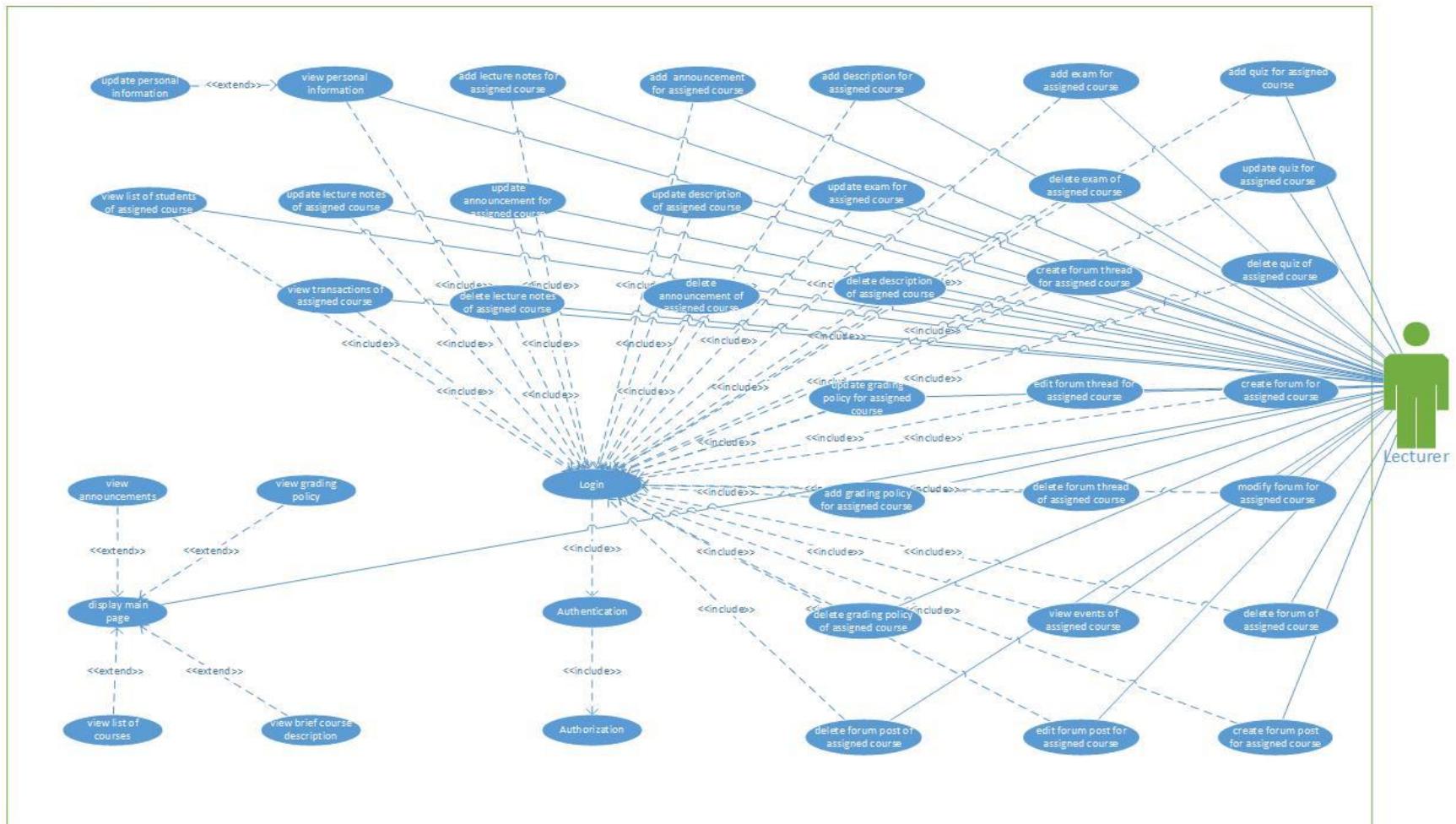


Figure 4 – Partial Use-Case for Lecturer

## 5.4. Partial Use-Case Diagram for Student

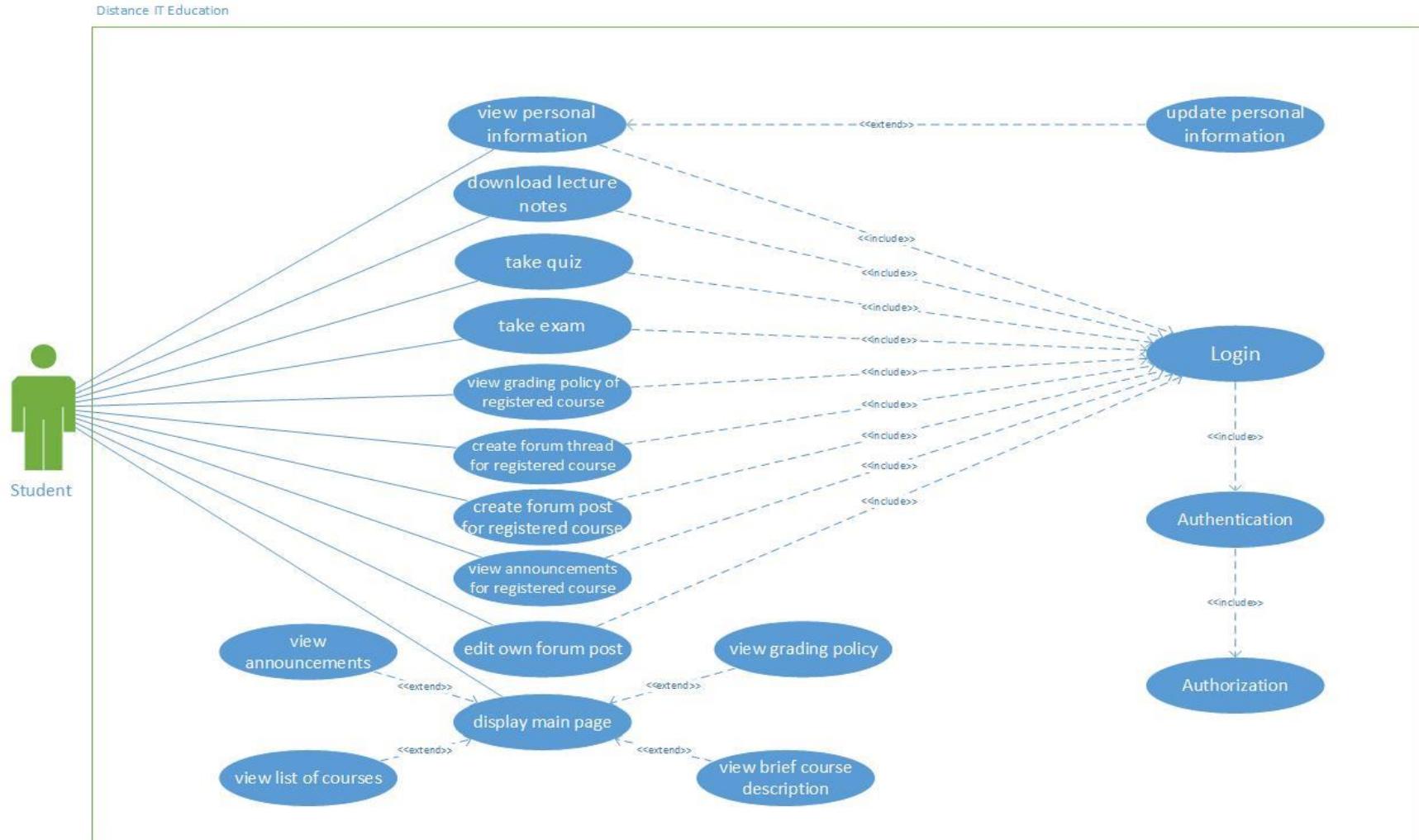


Figure 5 – Partial Use-Case for Student

## 5.5. Partial Use-Case Diagram for Guest



Figure 6 – Partial Use-Case for Guest

## 5.6. Activity Diagrams

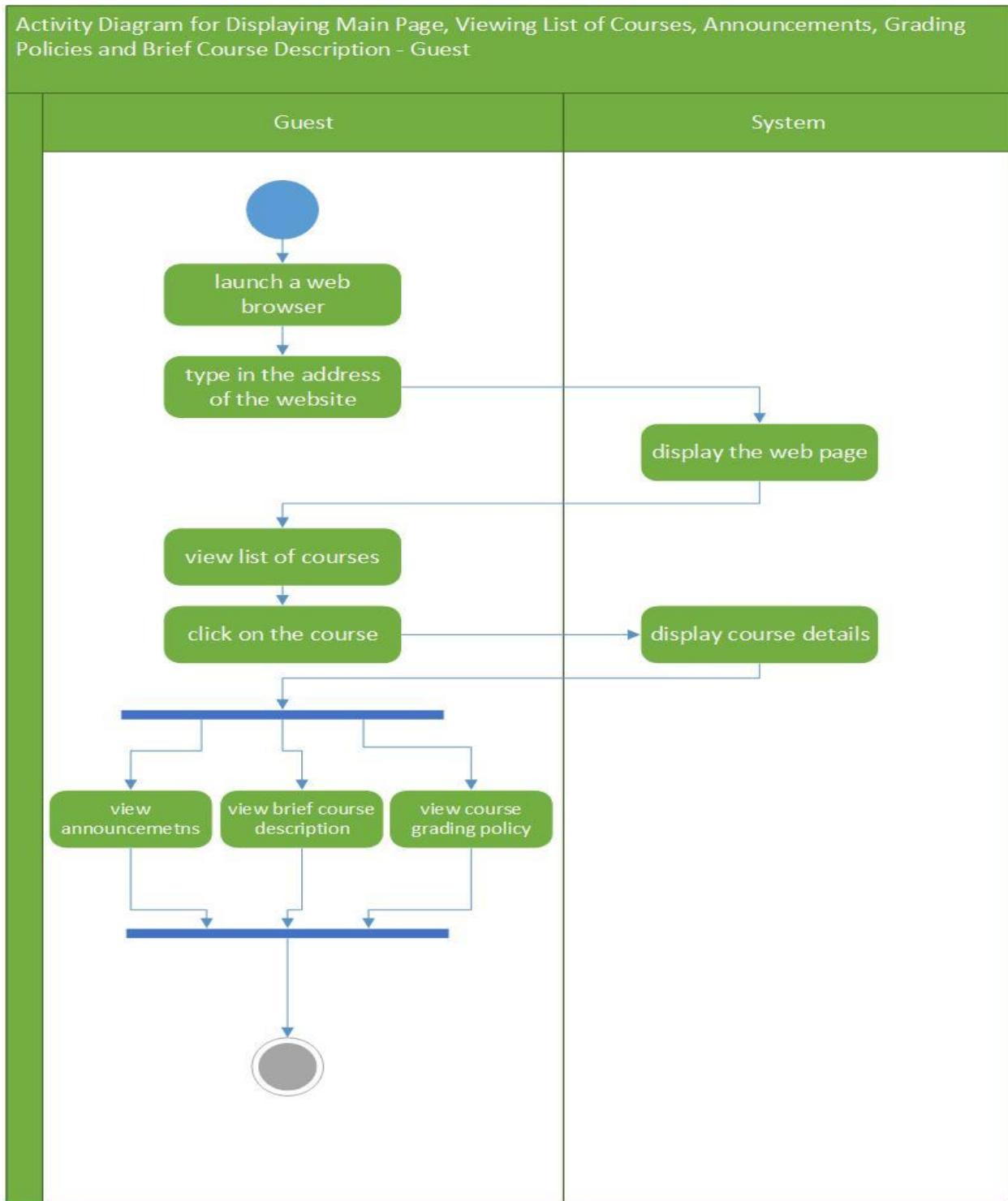


Figure 7 – Activity Diagram for Displaying Main Page, Viewing List of Courses, Announcements, Grading Policies and Brief Course Description – Guest

Activity Diagram for Viewing and Updating Personal Information - Student

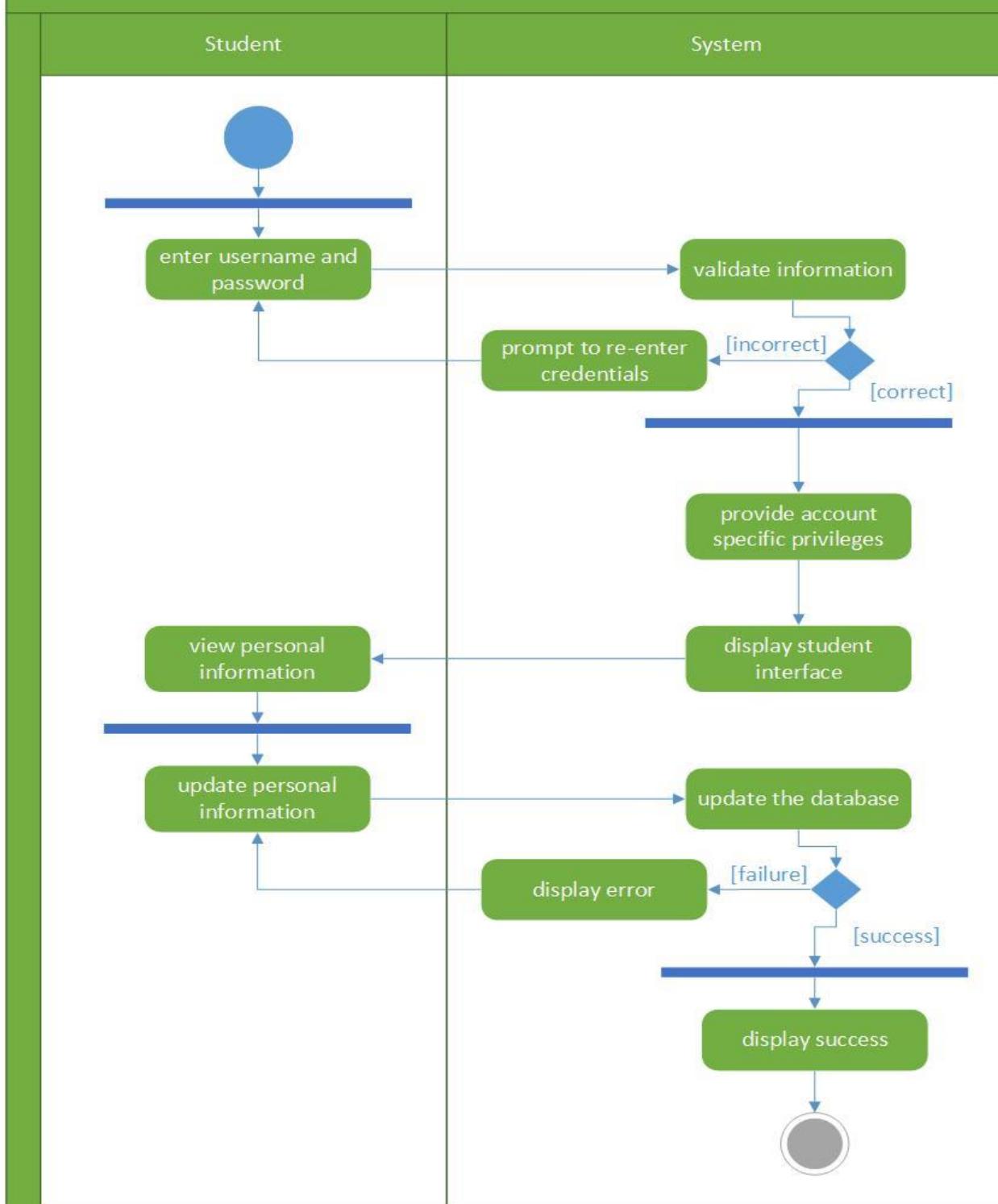


Figure 8 - Activity Diagram for Viewing and Updating Personal Information – Student

Activity Diagram for Downloading Lecture Notes - Student

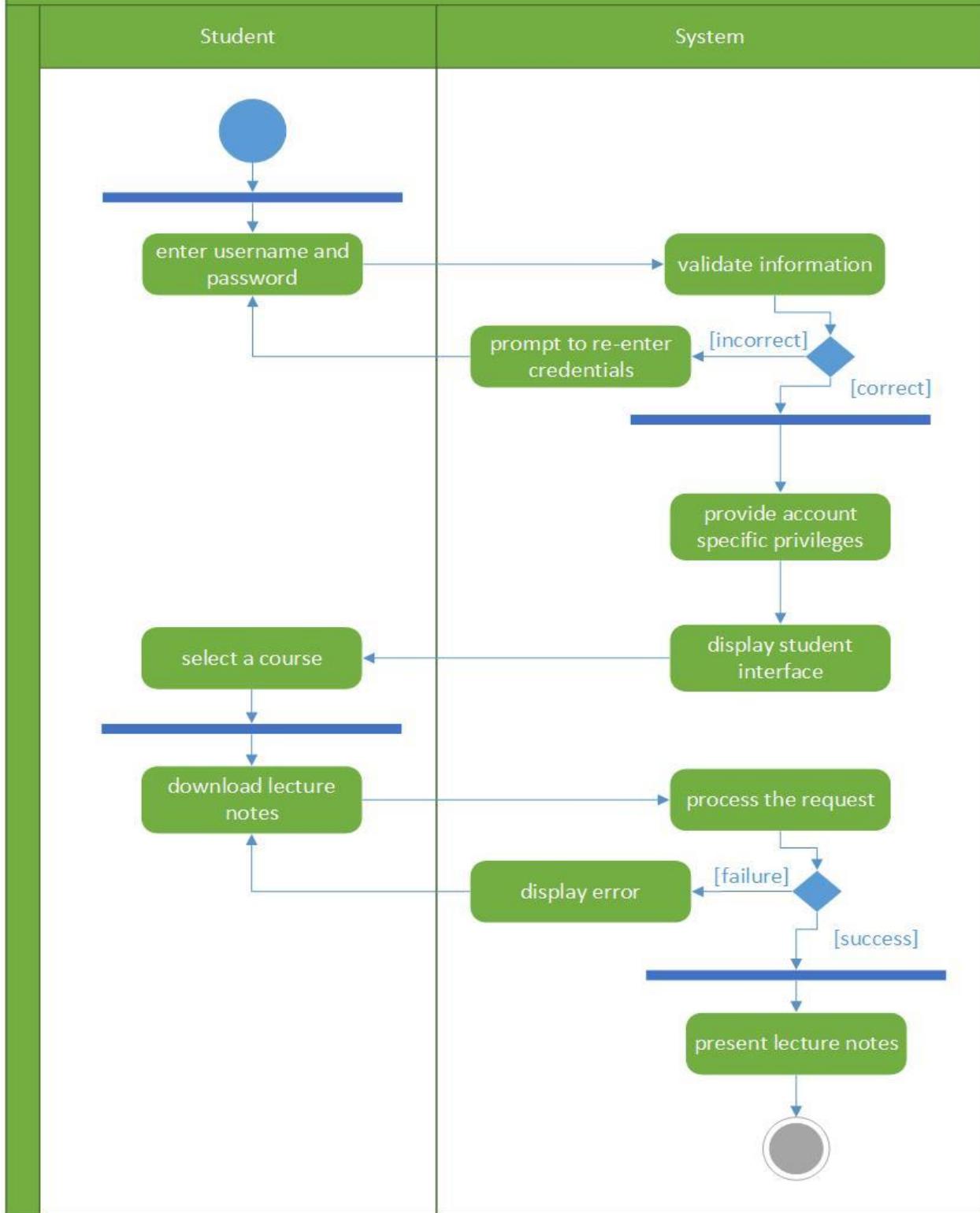


Figure 9 - Activity Diagram for Downloading Lecture Notes – Student

Activity Diagram for Taking a Quiz - Student

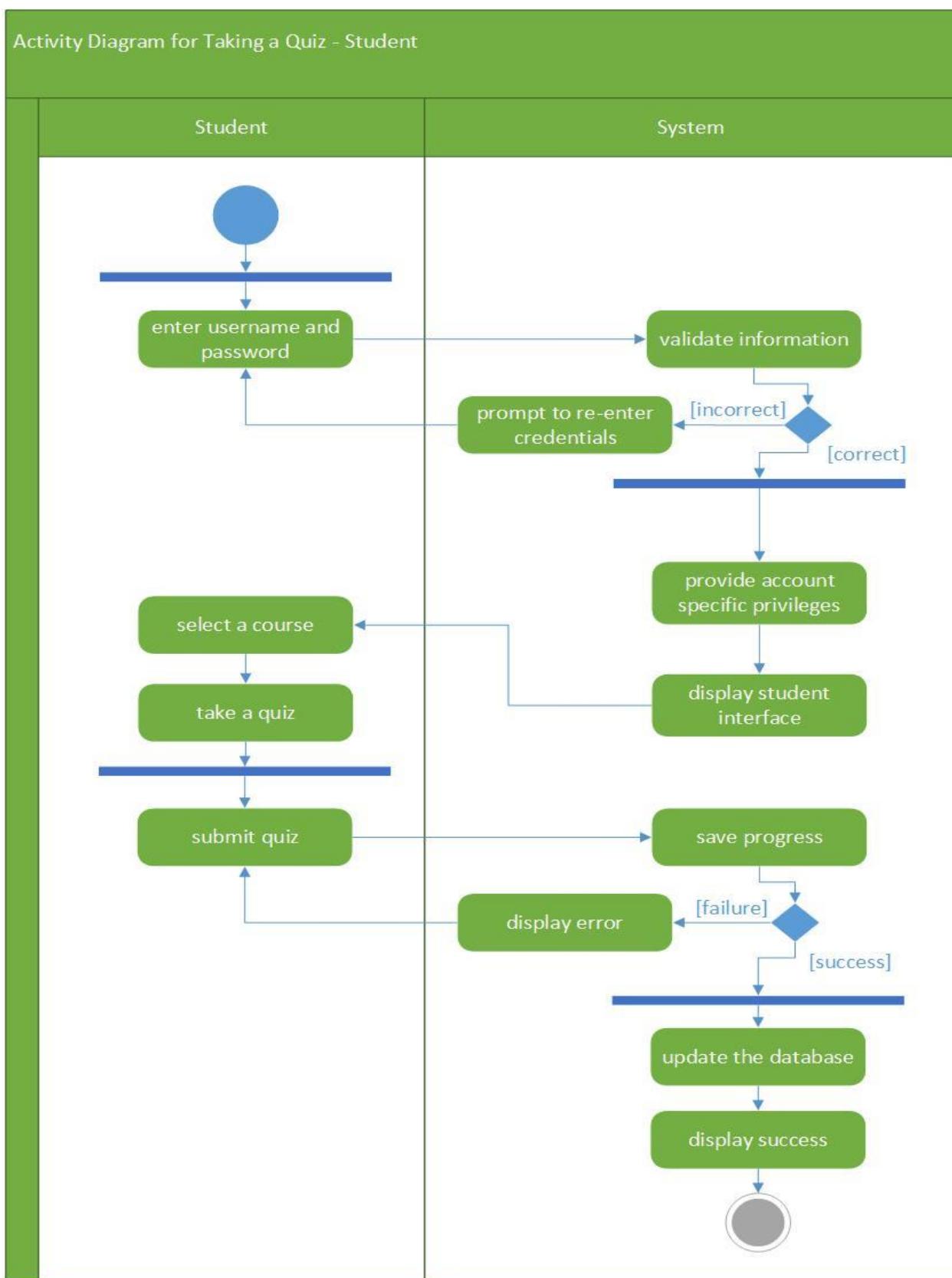


Figure 10 - Activity Diagram for Taking a Quiz – Student

Activity Diagram for Taking an Exam - Student

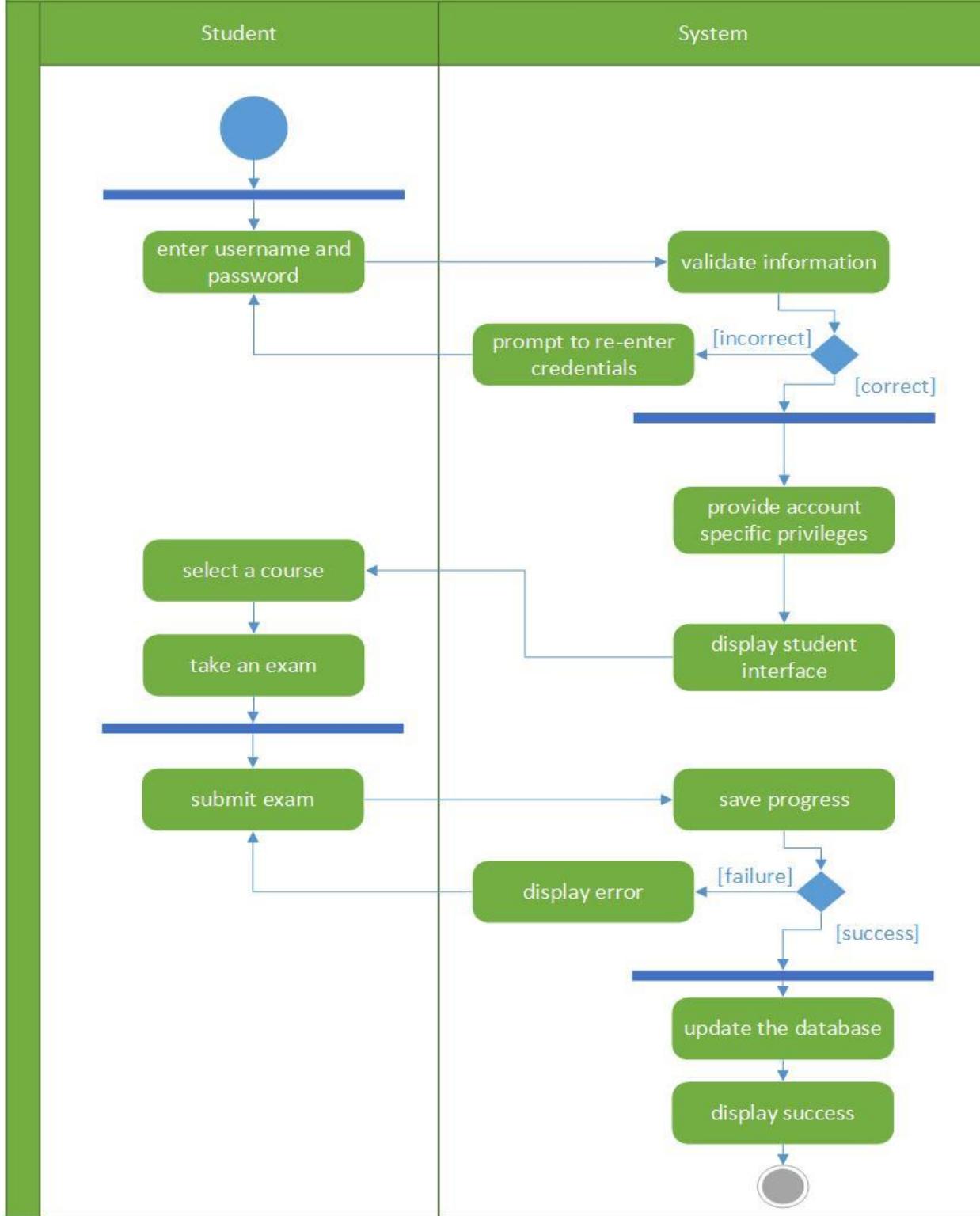


Figure 11 - Activity Diagram for Taking an Exam - Student

Activity Diagram for Viewing Grading Policy for the Registered Course - Student

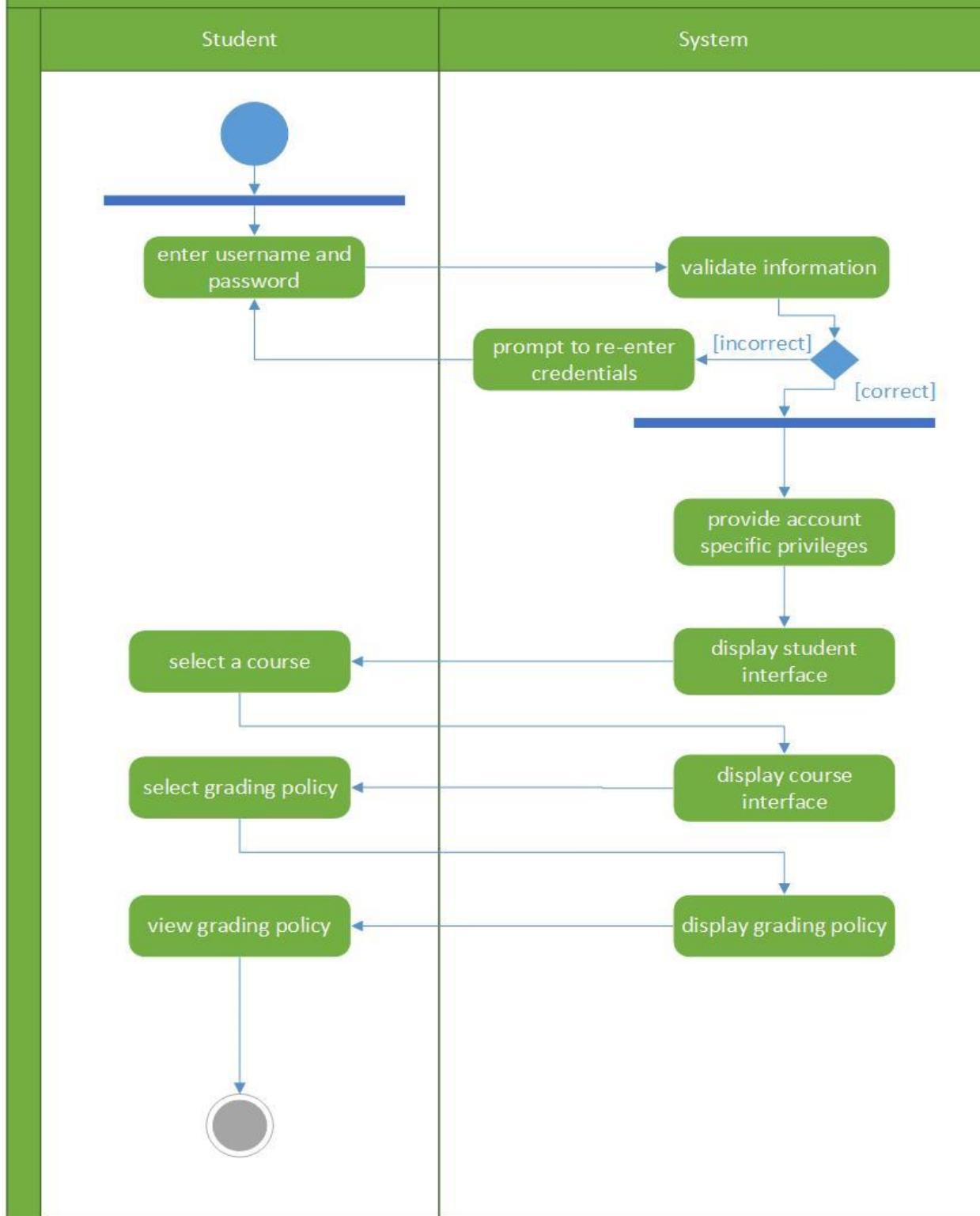


Figure 12 - Activity Diagram for Viewing Grading Policy for the Registered Course - Student

Activity Diagram for Creating a Forum Thread for the Registered Course - Student

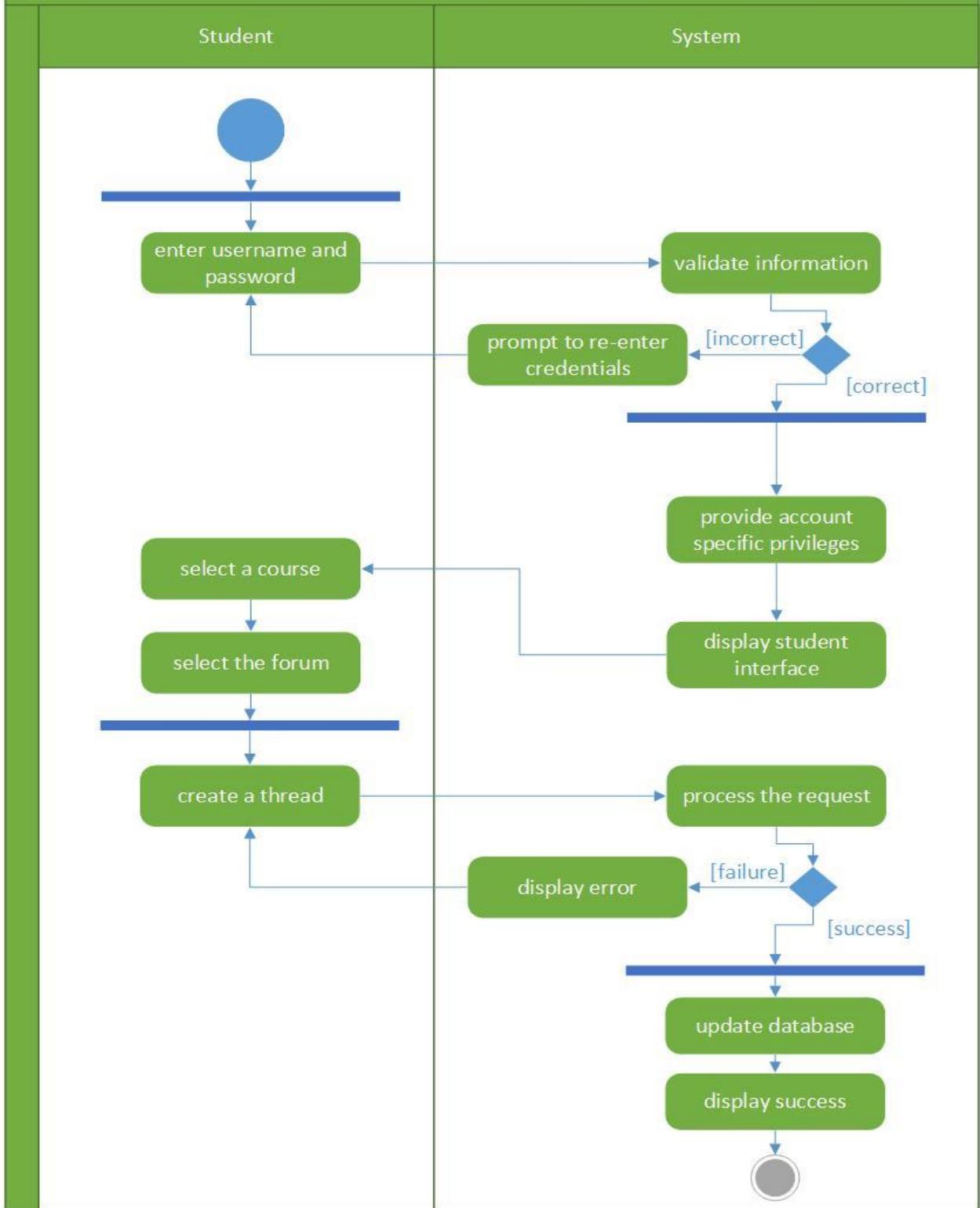


Figure 13 - Activity Diagram for Creating a Forum Thread for a Registered Course – Student

Activity Diagram for Creating a Forum Post for the Registered Course - Student

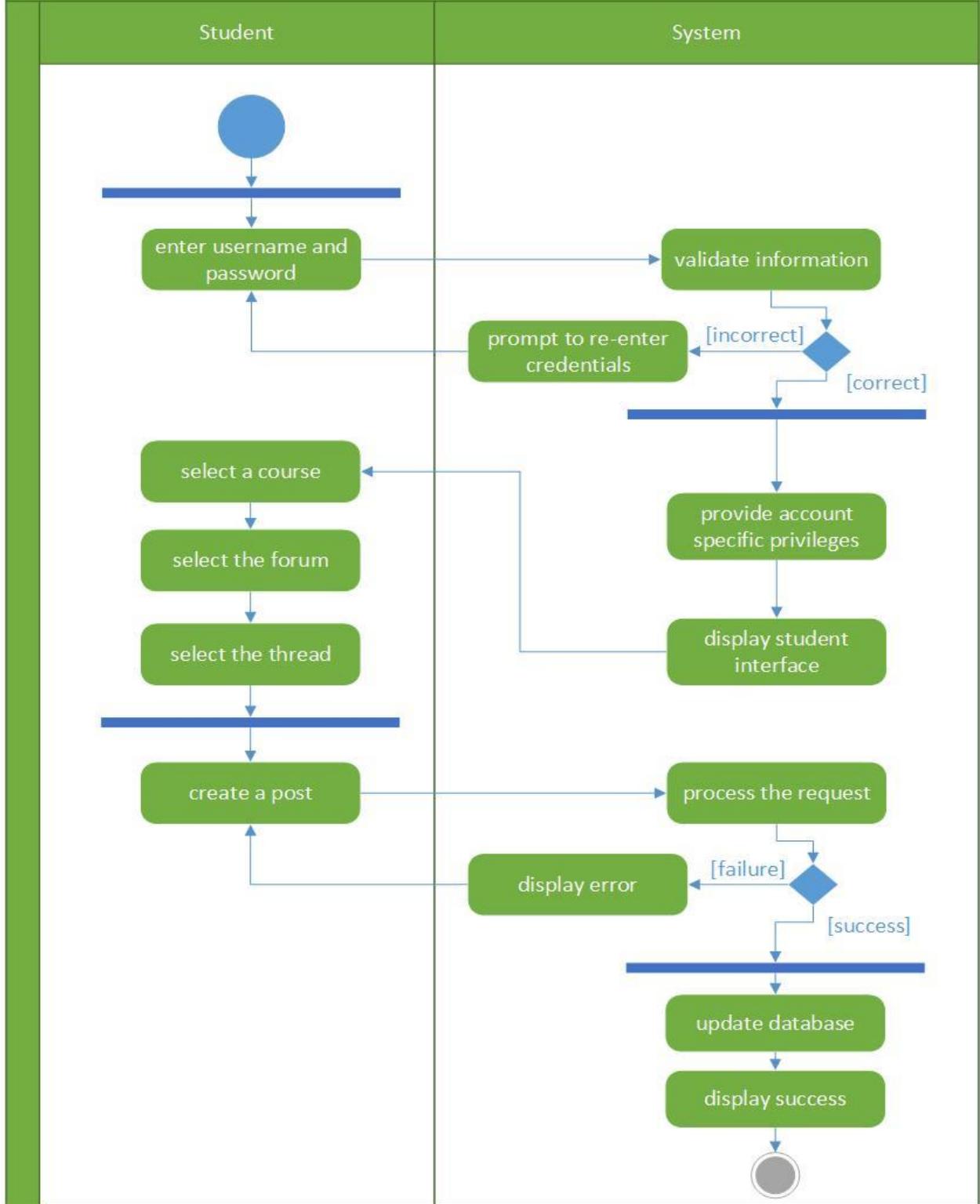


Figure 14 - Activity Diagram for Creating a Forum Post for the Registered Course – Student

Activity Diagram for Viewing Announcements for the Registered Course - Student

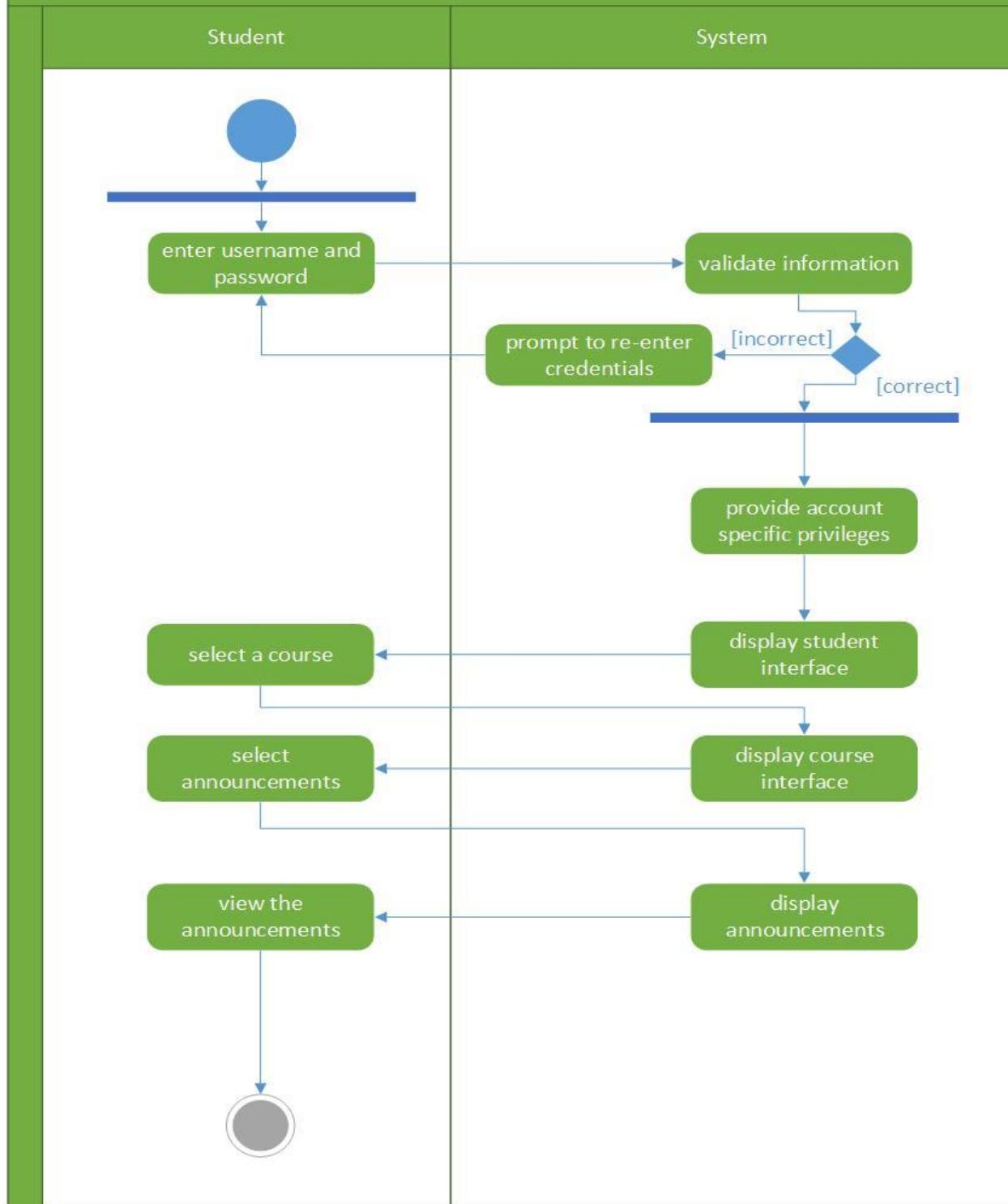


Figure 15 - Activity Diagram for Viewing Announcements for the Registered Course – Student

Activity Diagram for Editing Own Forum Post for the Registered Course - Student

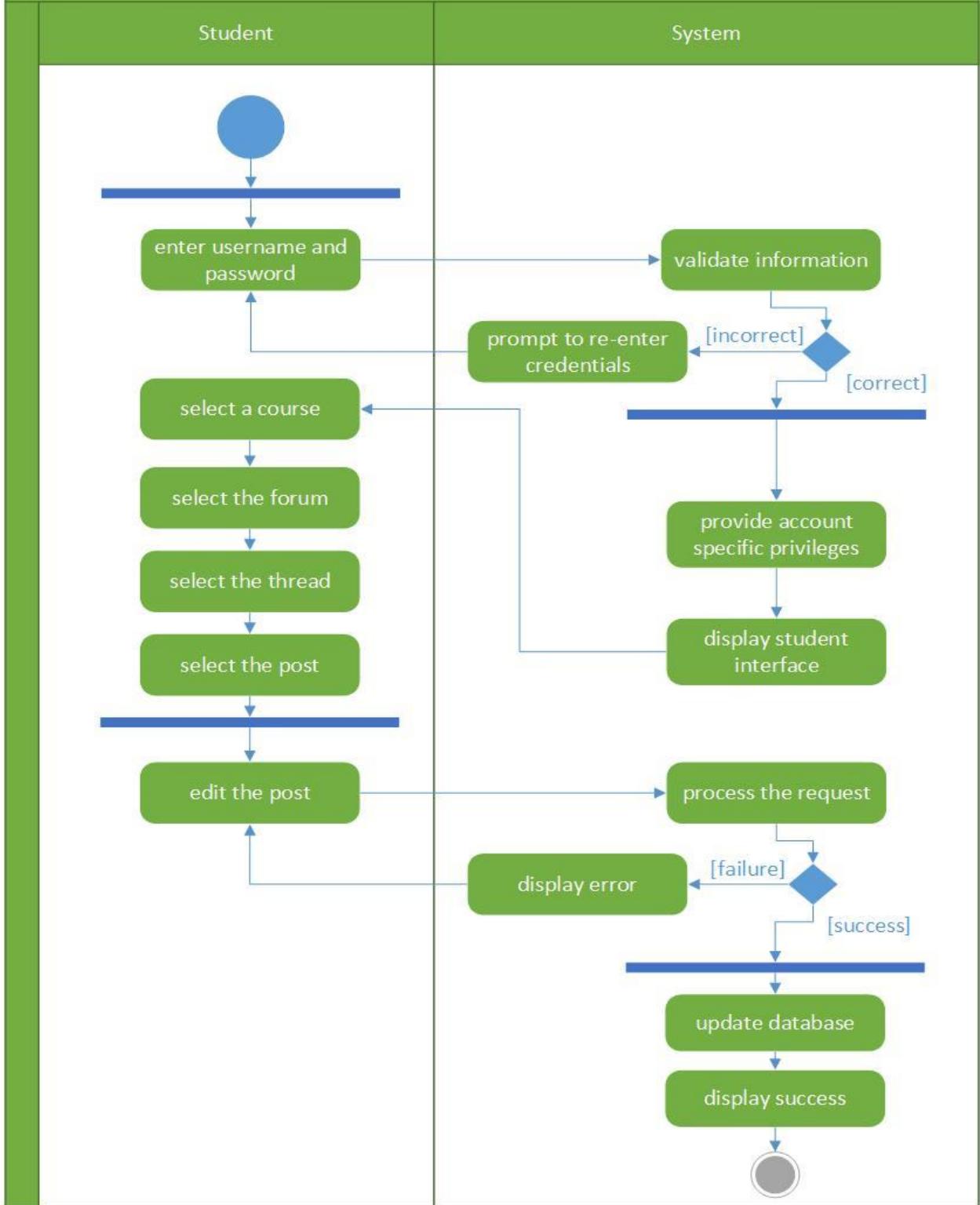


Figure 16 - Activity Diagram for Editing Own Forum Post for the Registered Course – Student

Activity Diagram for Viewing and Updating Personal Information - Lecturer

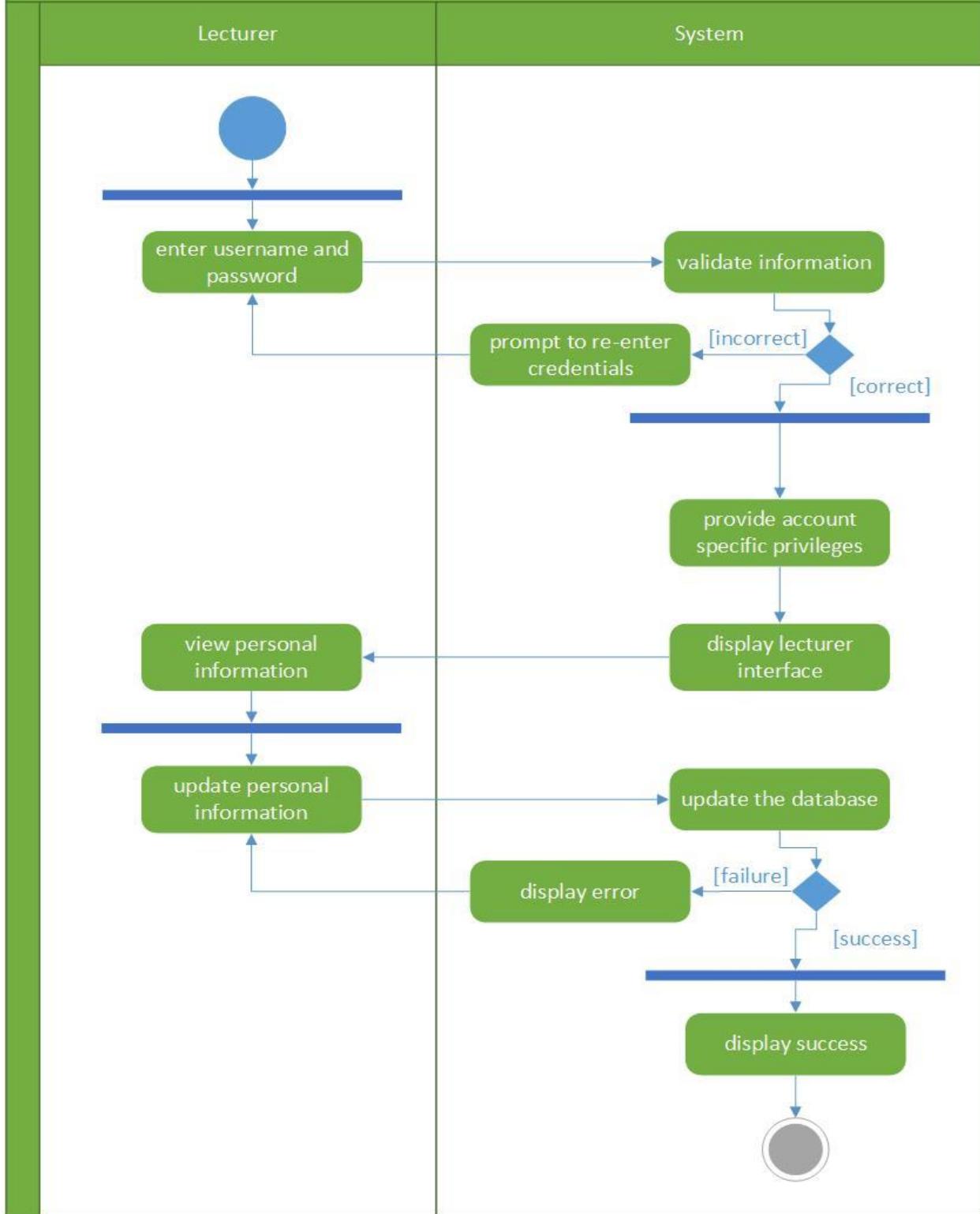


Figure 17 - Activity Diagram for Viewing and Updating Personal Information – Lecturer

Activity Diagram for Viewing the List of Students for the Assigned Course - Lecturer

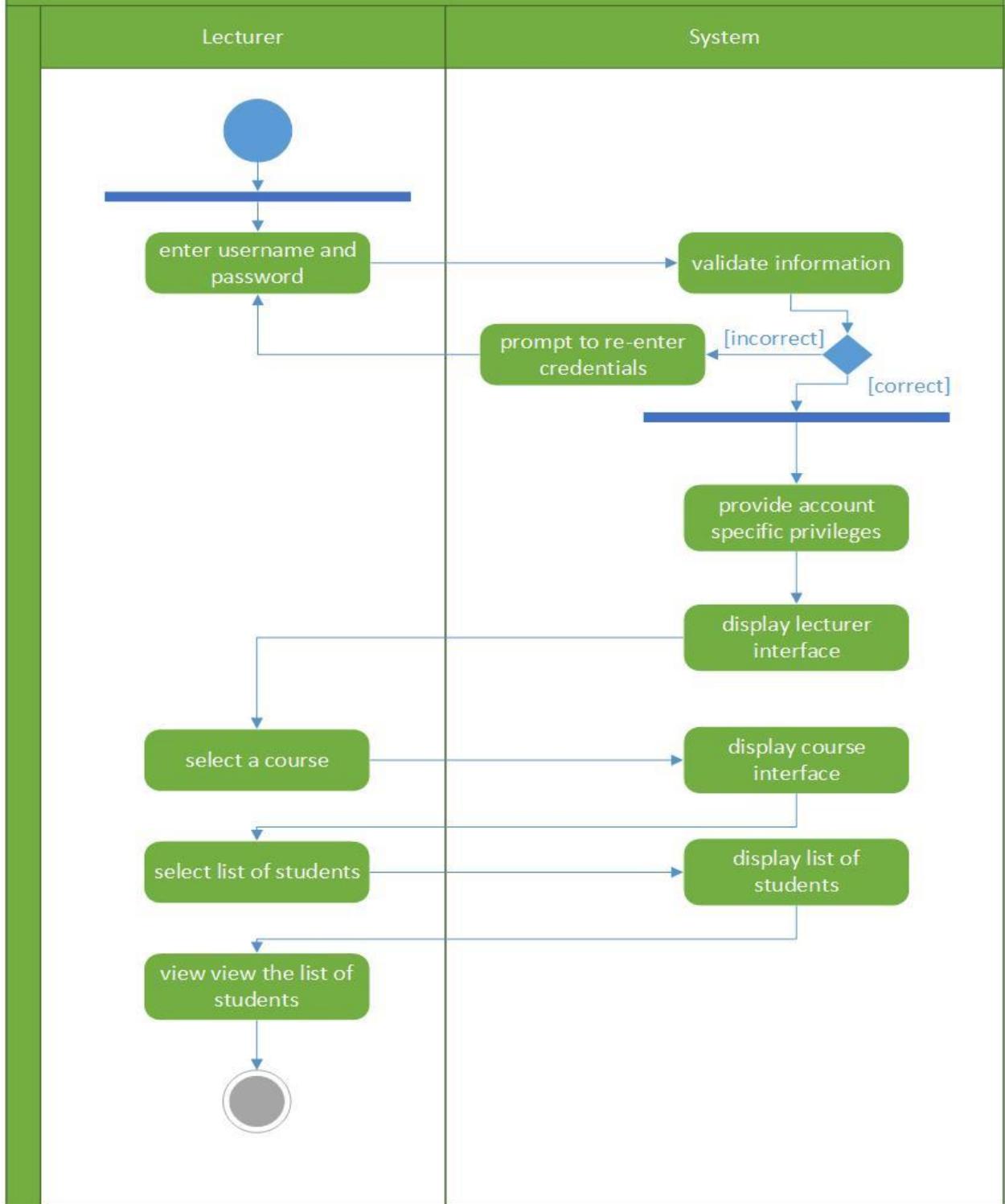


Figure 18 - Activity Diagram for Viewing the List of Students for the Assigned Course – Lecturer

Activity Diagram for Adding the Description for the Assigned Course - Lecturer

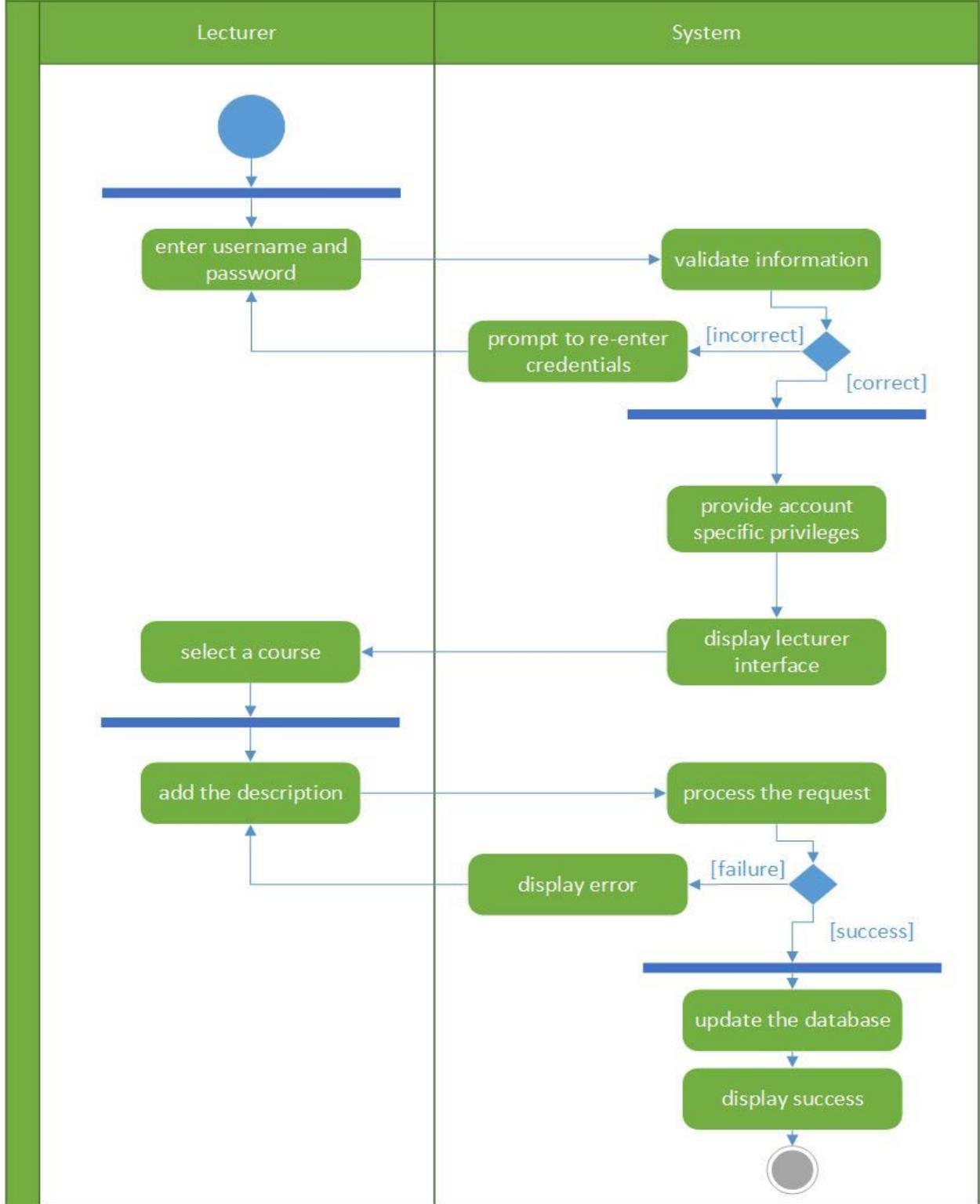


Figure 19 - Activity Diagram for Adding the Description for the Assigned Course – Lecturer

Activity Diagram for Deleting the Description from the Assigned Course - Lecturer

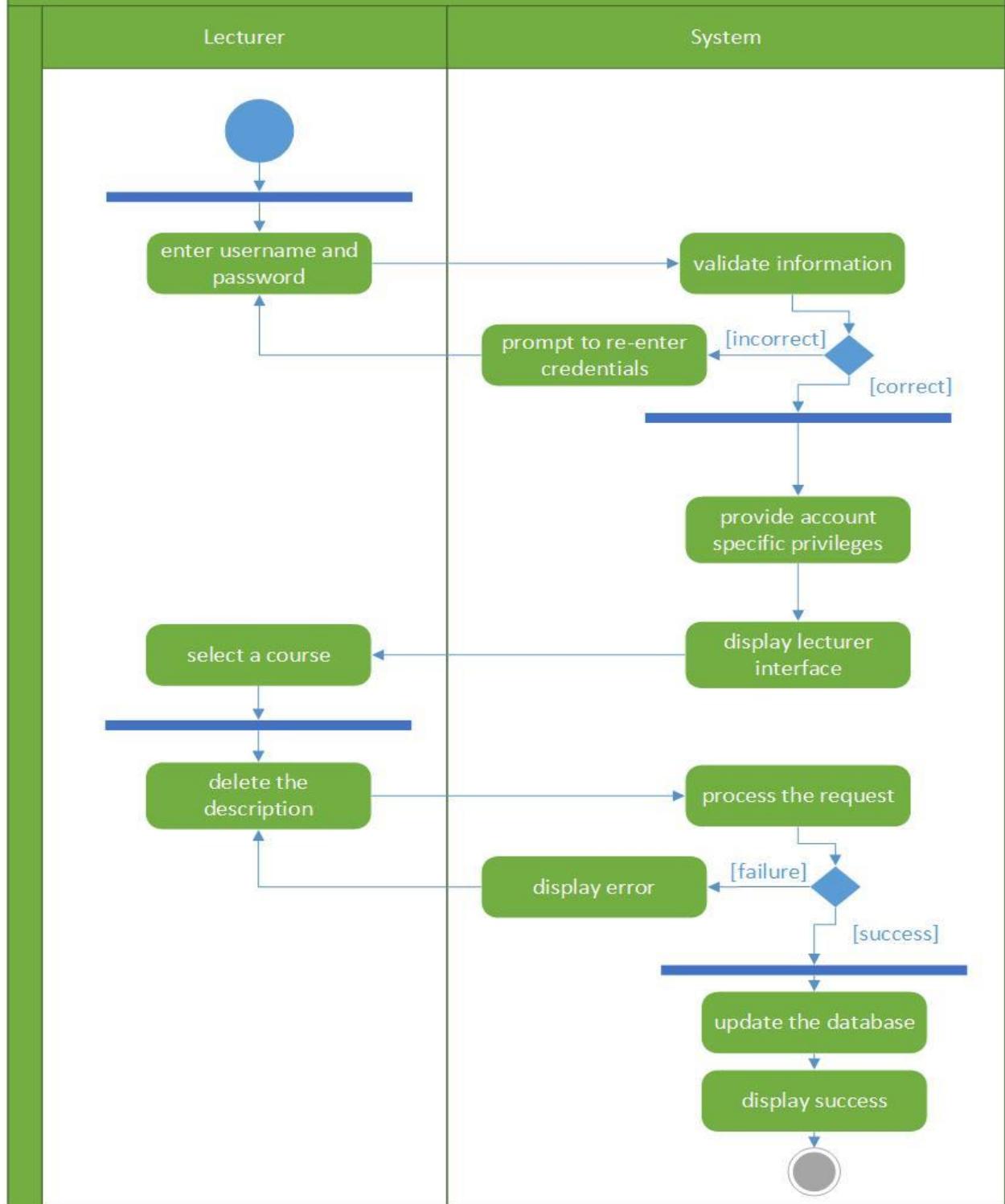


Figure 20 - Activity Diagram for Deleting the Description from the Assigned Course – Lecturer

Activity Diagram for Updating the Description for the Assigned Course - Lecturer

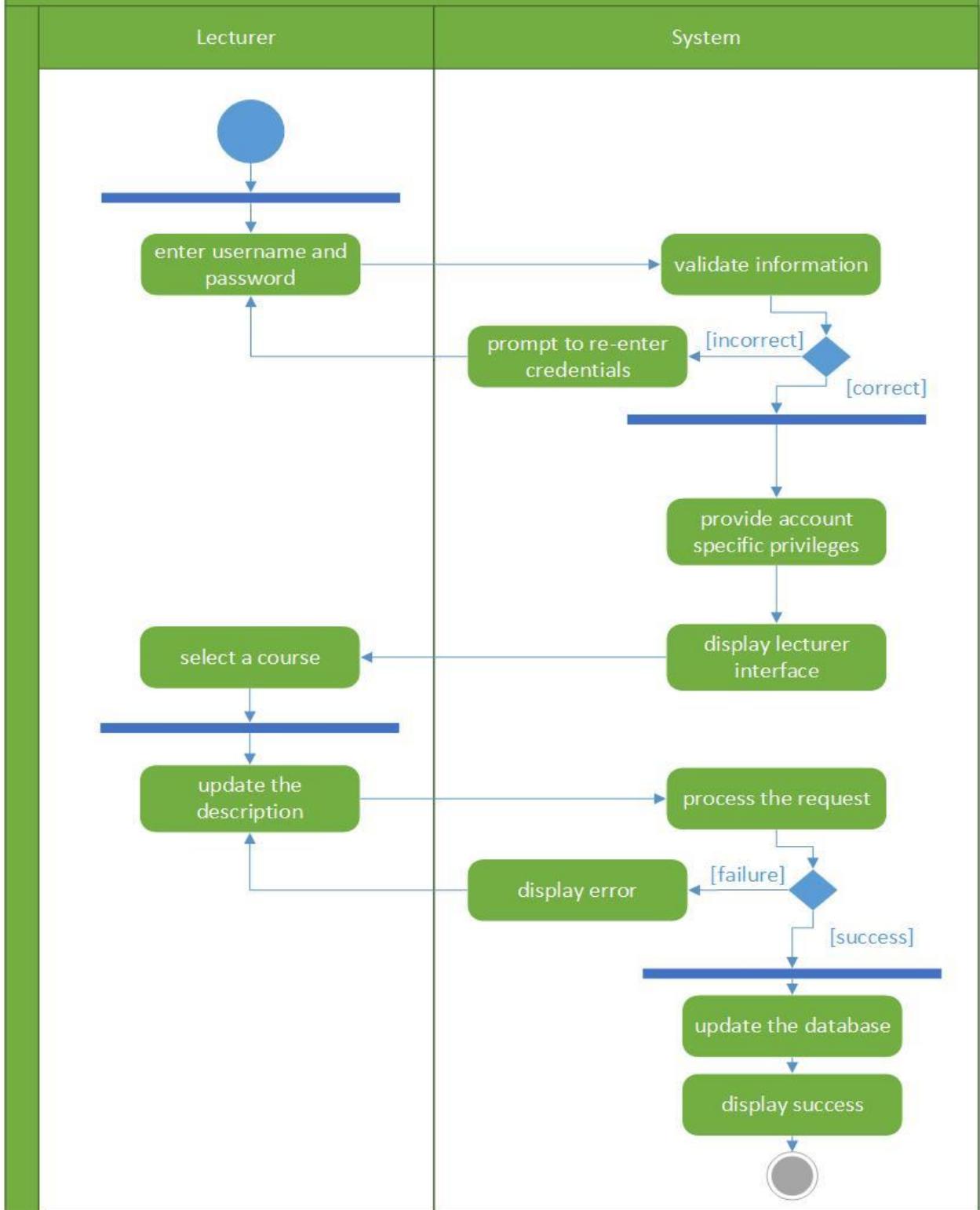


Figure 21 - Activity Diagram for Updating the Description for the Assigned Course – Lecturer

Activity Diagram for Adding the Lecture Notes for the Assigned Course - Lecturer

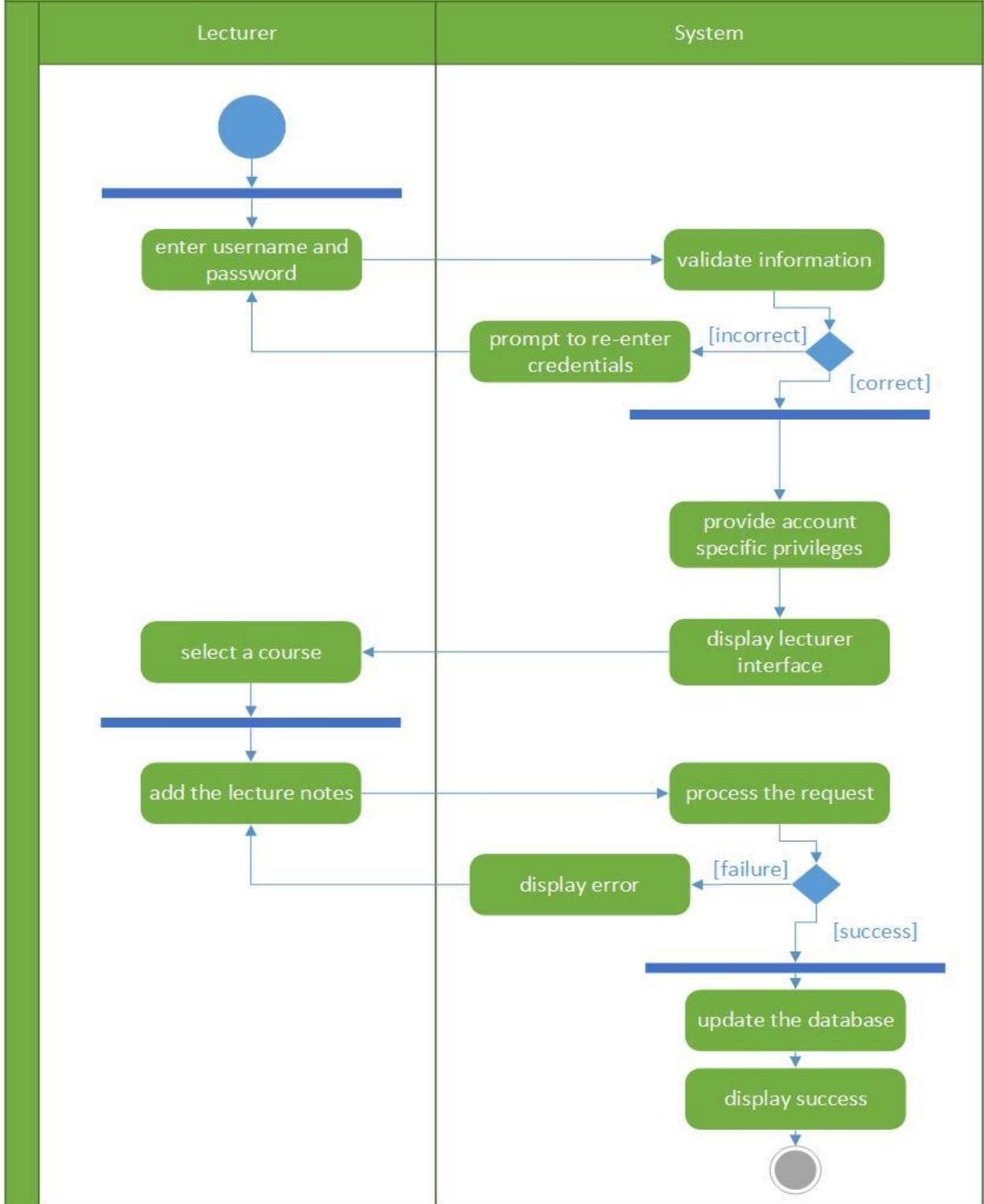


Figure 22 - Activity Diagram for Adding the Lecture Notes for the Assigned Course – Lecturer

Activity Diagram for Updating the Lecture Notes for the Assigned Course - Lecturer

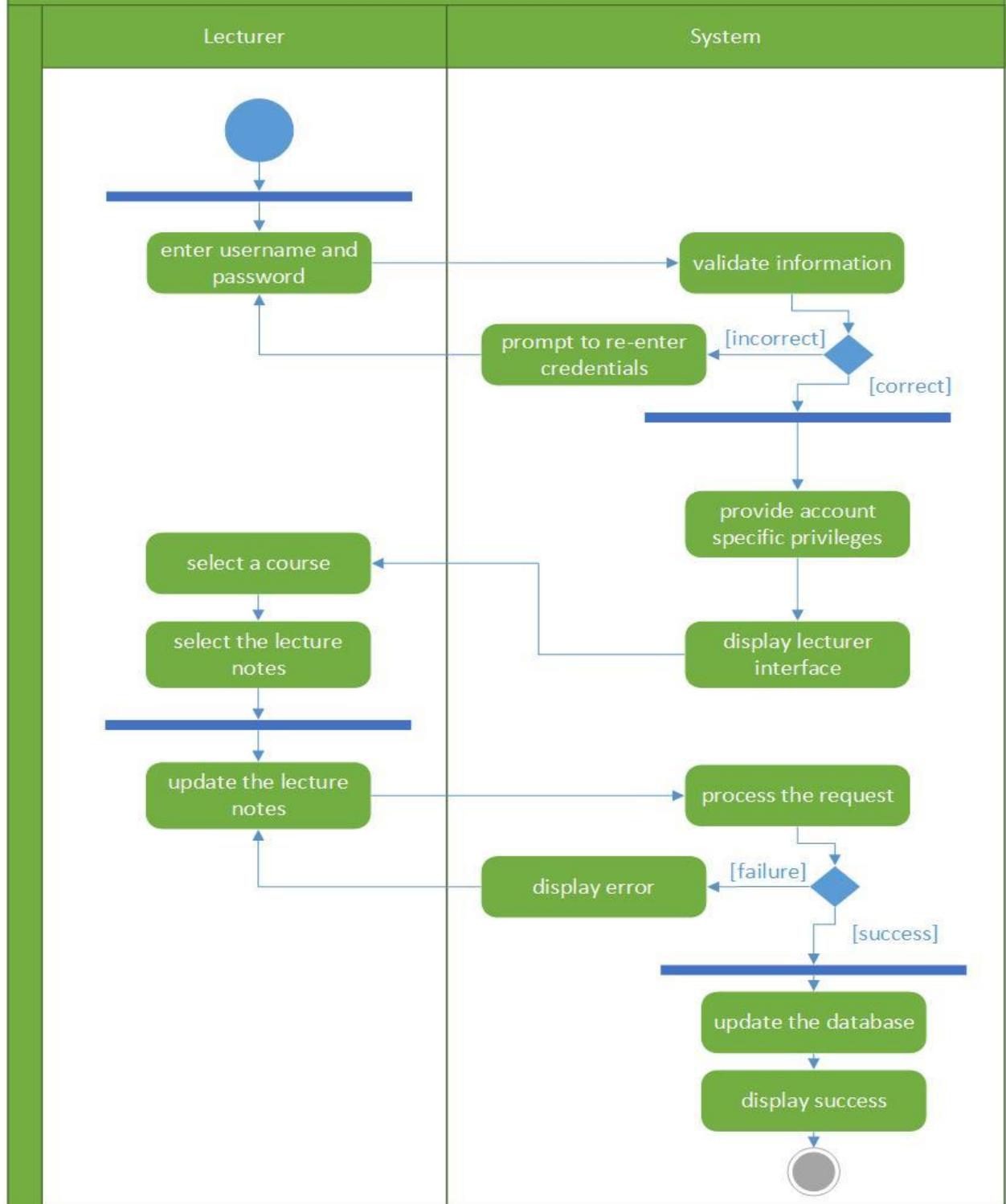


Figure 23 - Activity Diagram for Updating the Lecture Notes for the Assigned Course – Lecturer

Activity Diagram for Deleting the Lecture Notes from the Assigned Course - Lecturer

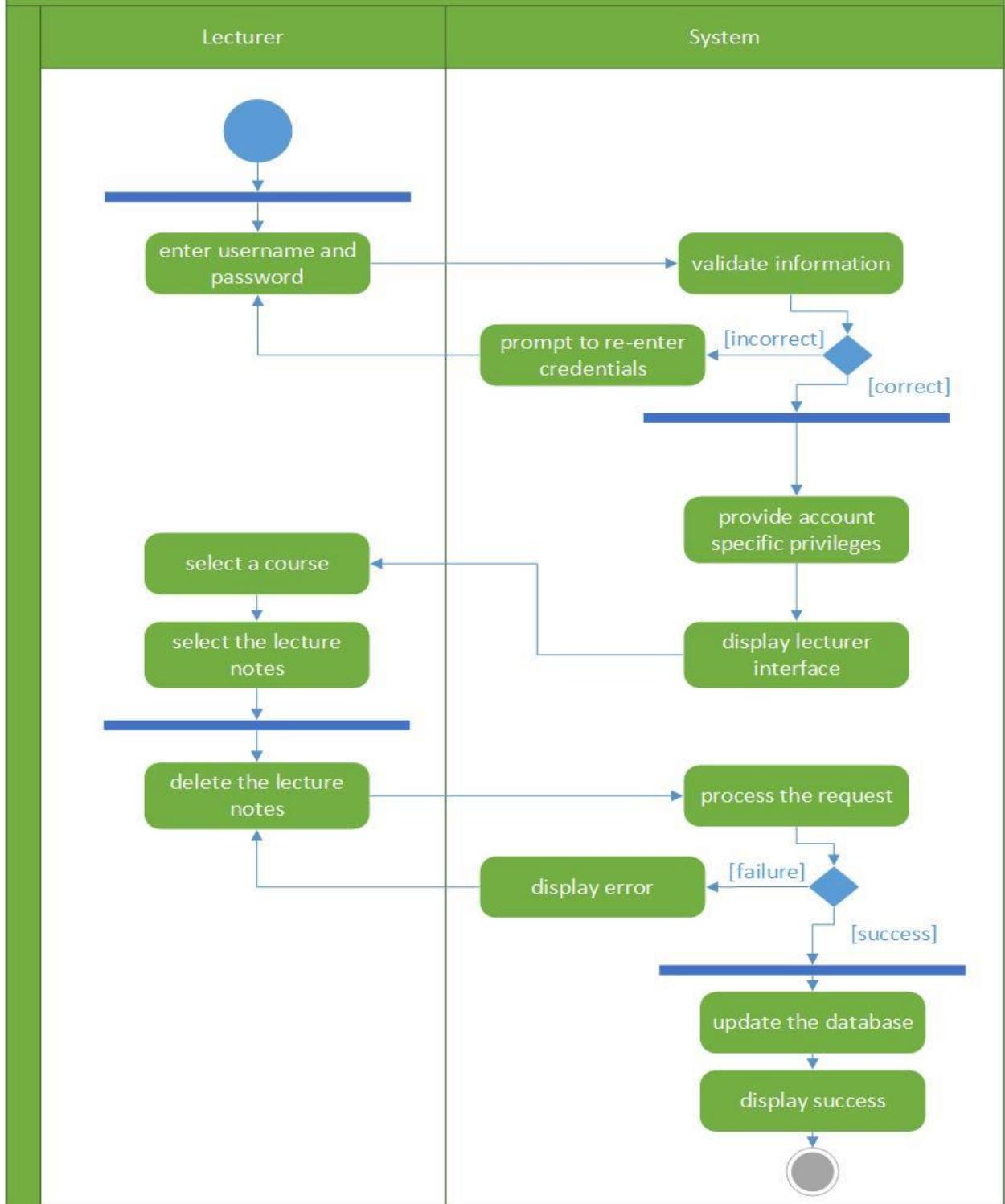


Figure 24 - Activity Diagram for Deleting the Lecture Notes from the Assigned Course – Lecturer

Activity Diagram for Adding the Exam for the Assigned Course - Lecturer

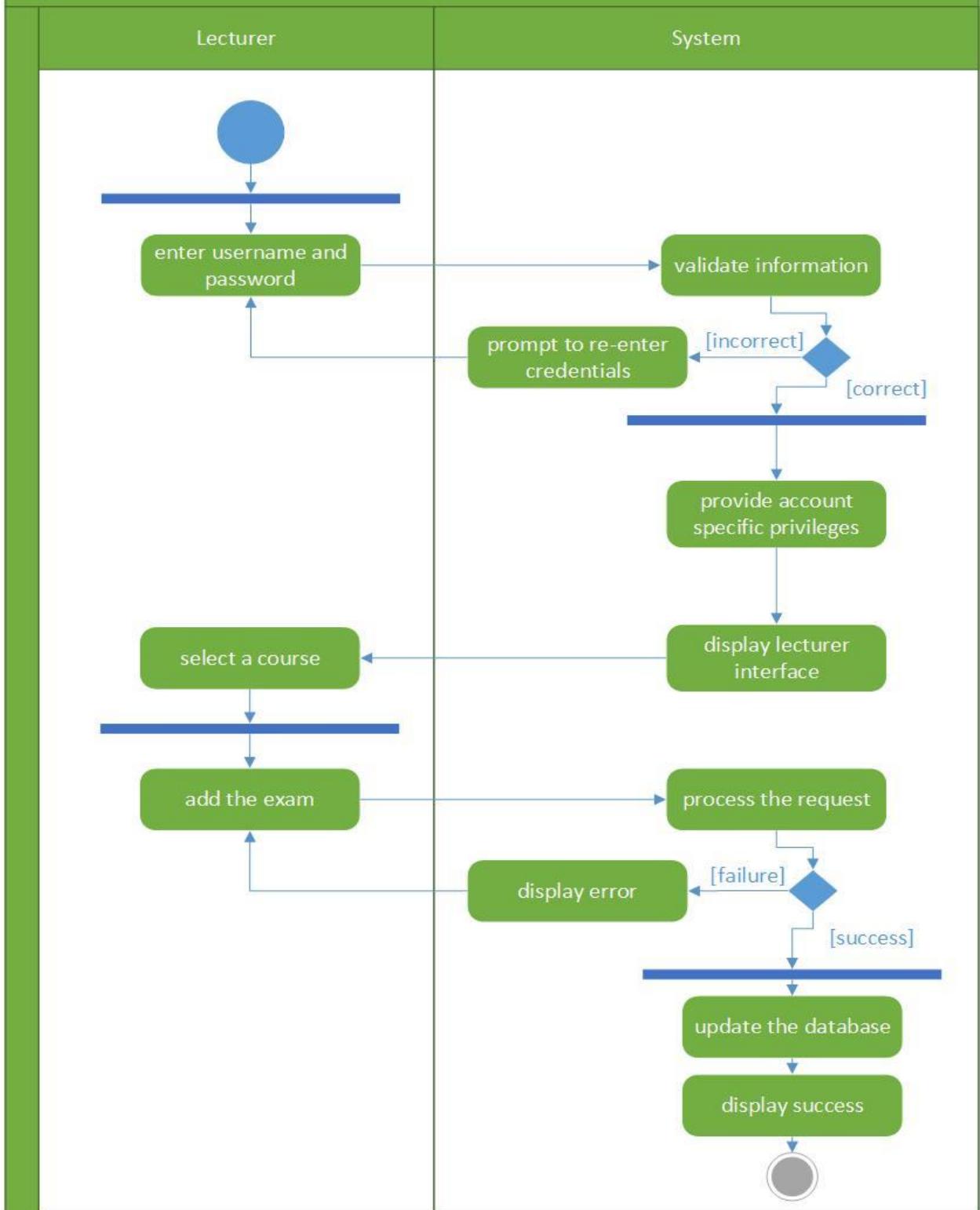


Figure 25 - Activity Diagram for Adding the Exam for the Assigned Course – Lecturer

Activity Diagram for Updating the Exam for the Assigned Course - Lecturer

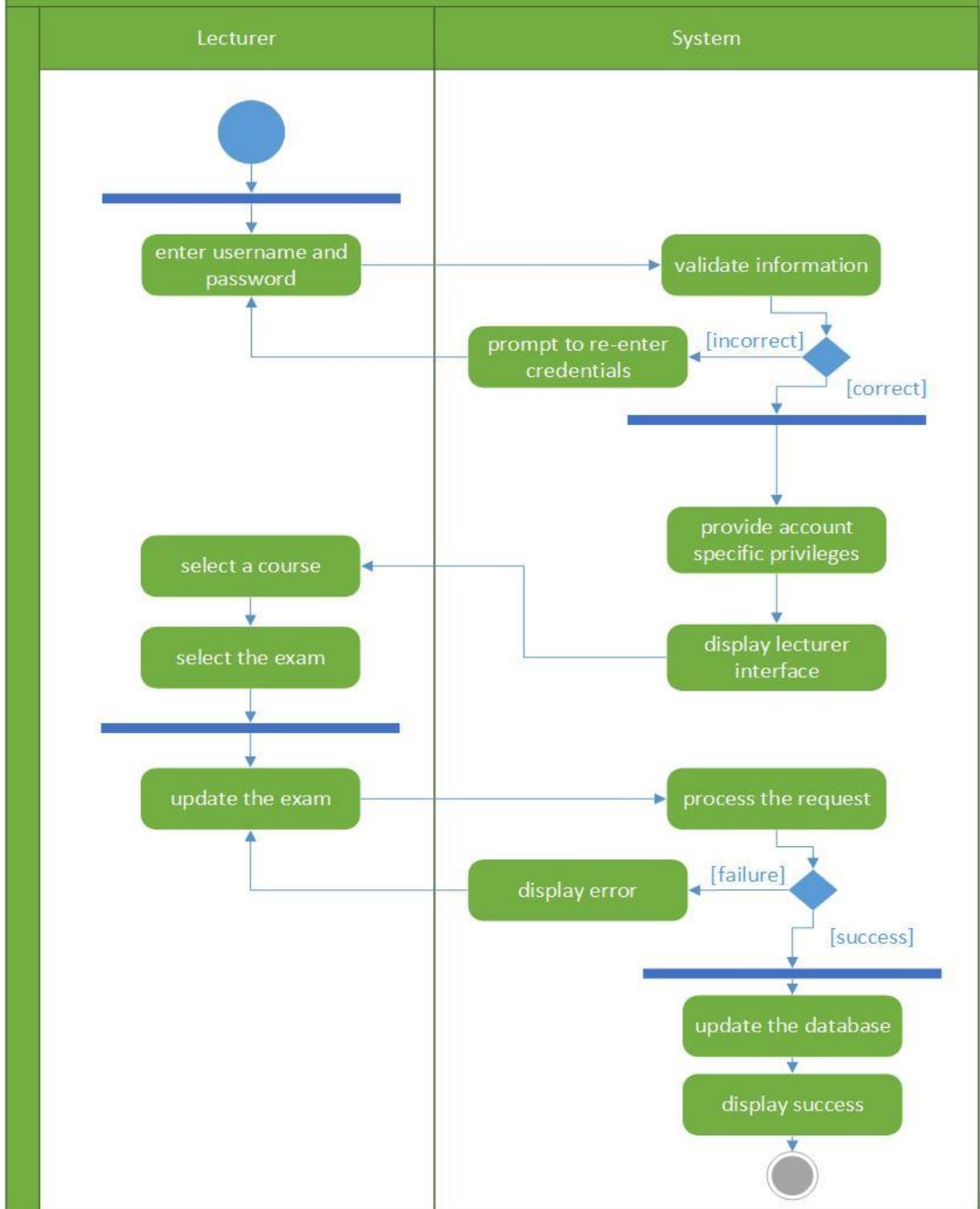


Figure 26 - Activity Diagram for Updating the Exam for the Assigned Course – Lecturer

Activity Diagram for Deleting the Exam from the Assigned Course - Lecturer

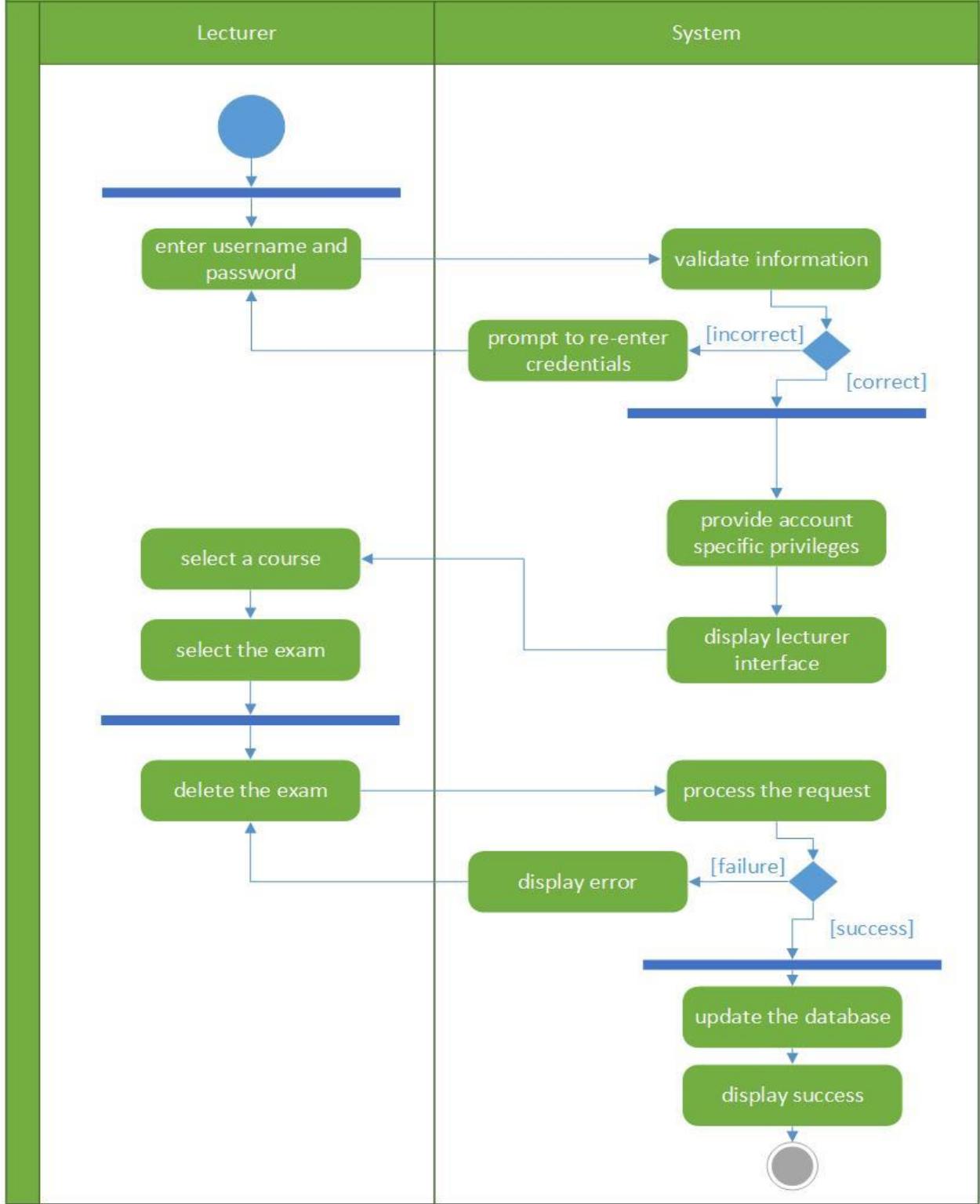


Figure 27 - Activity Diagram for Deleting the Exam from the Assigned Course – Lecturer

Activity Diagram for Adding the Quiz for the Assigned Course - Lecturer

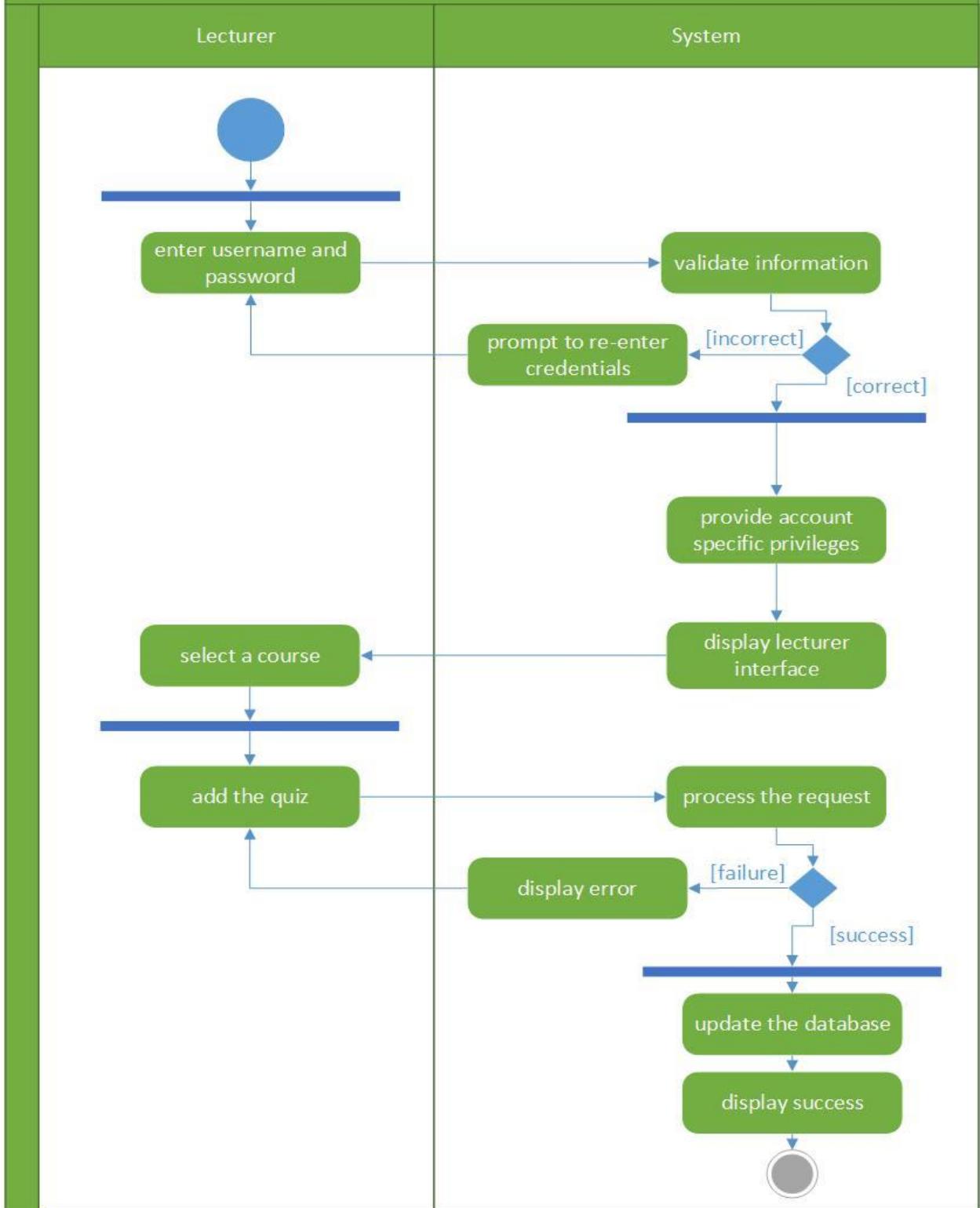


Figure 28 - Activity Diagram for Adding the Quiz for the Assigned Course – Lecturer

Activity Diagram for Updating the Quiz for the Assigned Course - Lecturer

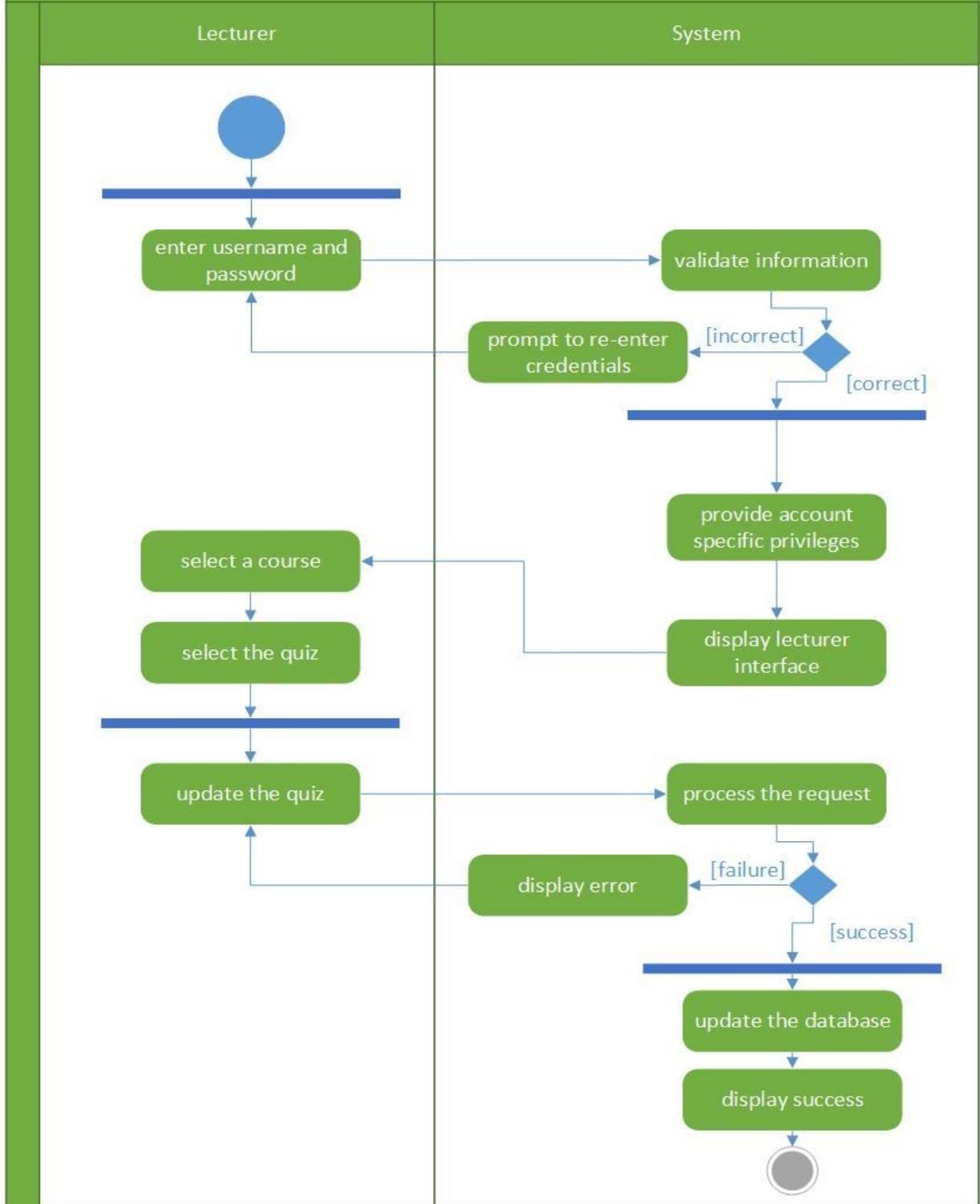


Figure 29 - Activity Diagram for Updating the Quiz for the Assigned Course – Lecturer

Activity Diagram for Deleting the Quiz from the Assigned Course - Lecturer

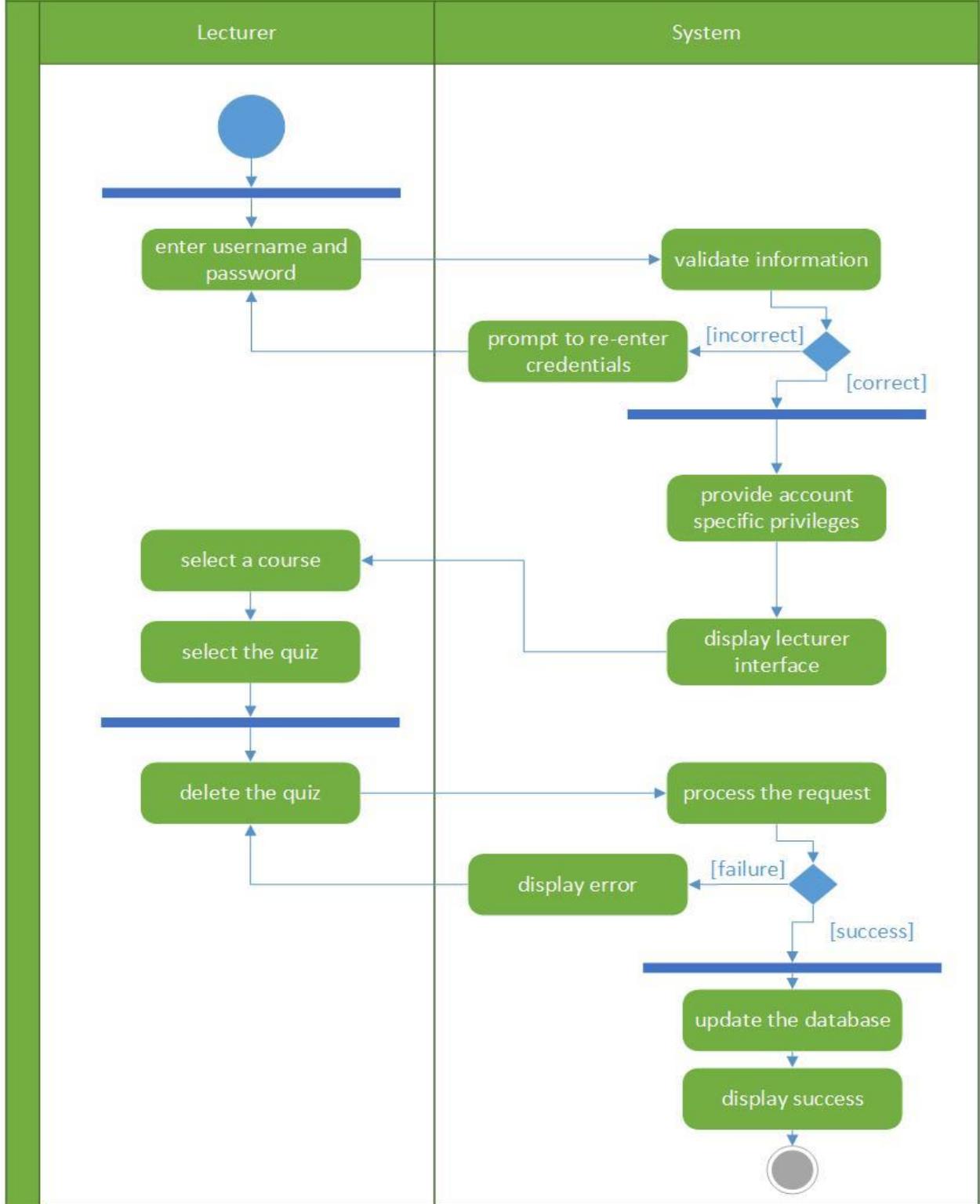


Figure 30 - Activity Diagram for Deleting the Quiz from the Assigned Course – Lecturer

Activity Diagram for Adding the Grading Policy for the Assigned Course - Lecturer

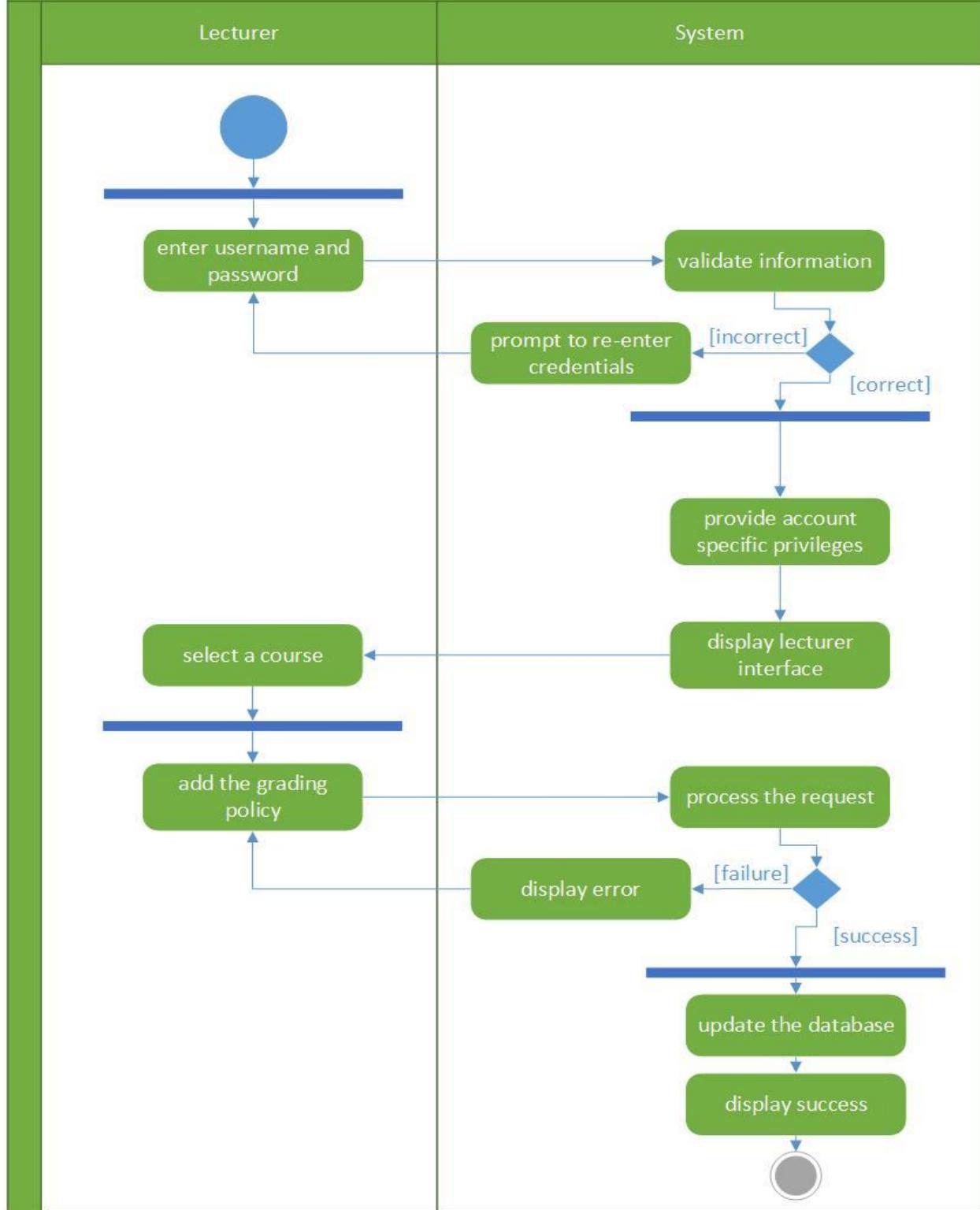


Figure 31 - Activity Diagram for Adding the Grading Policy for the Assigned Course - Lecturer

Activity Diagram for Updating the Grading Policy for the Assigned Course - Lecturer

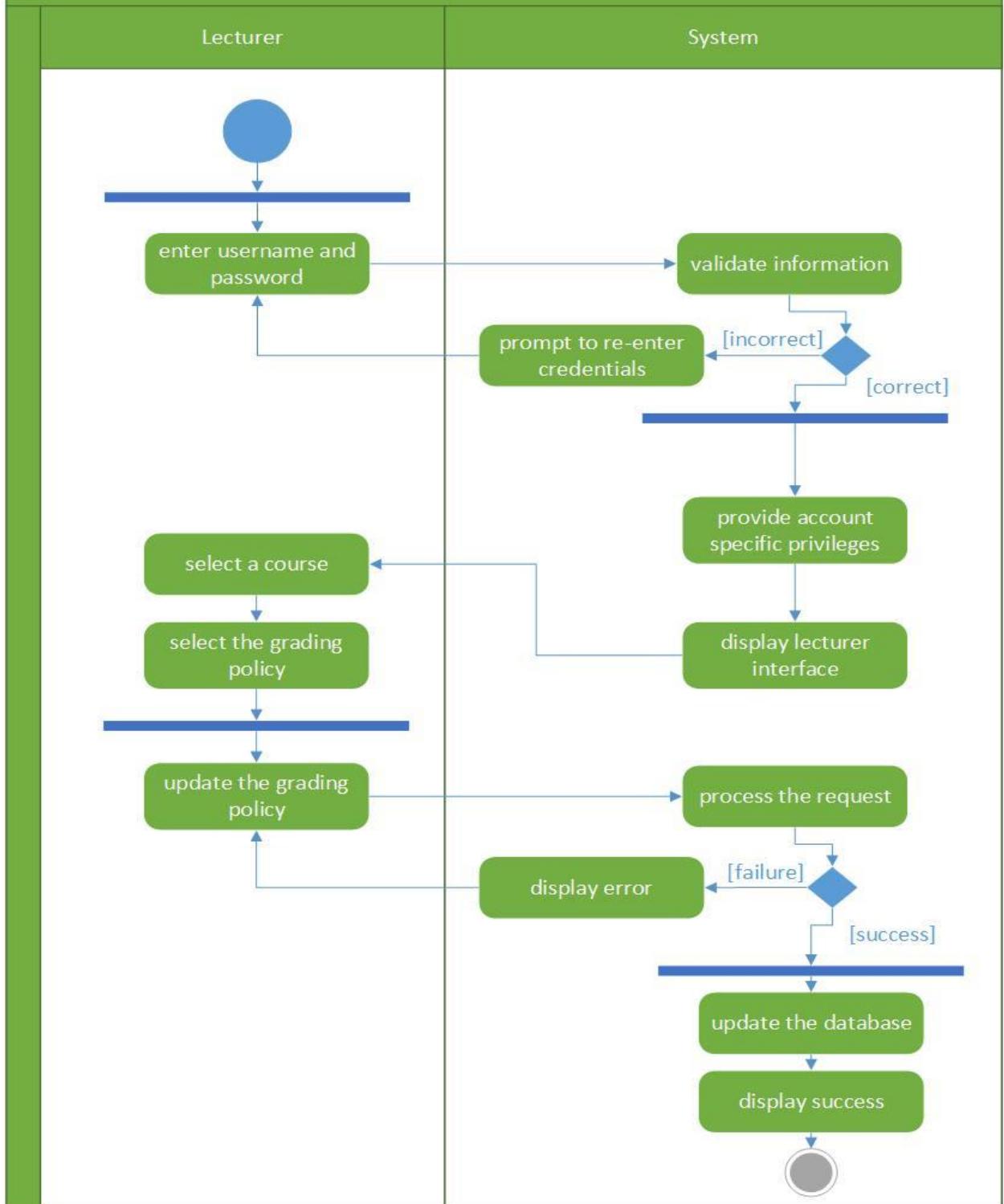


Figure 32- Activity Diagram for Updating the Grading Policy for the Assigned Course – Lecturer

Activity Diagram for Deleting the Grading Policy from the Assigned Course - Lecturer

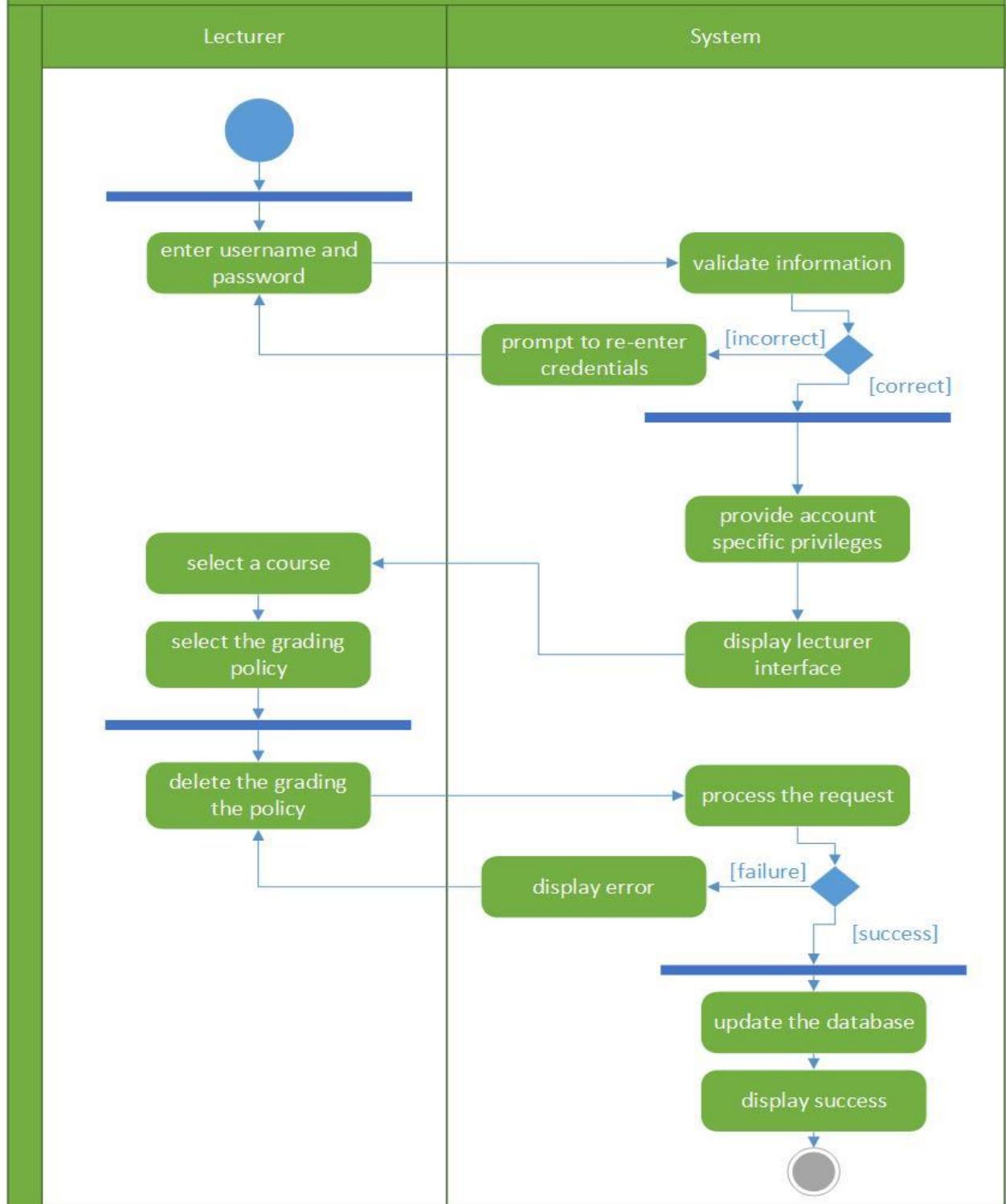


Figure 33- Activity Diagram for Deleting the Grading Policy from the Assigned Course – Lecturer

Activity Diagram for Adding the Announcements for the Assigned Course - Lecturer

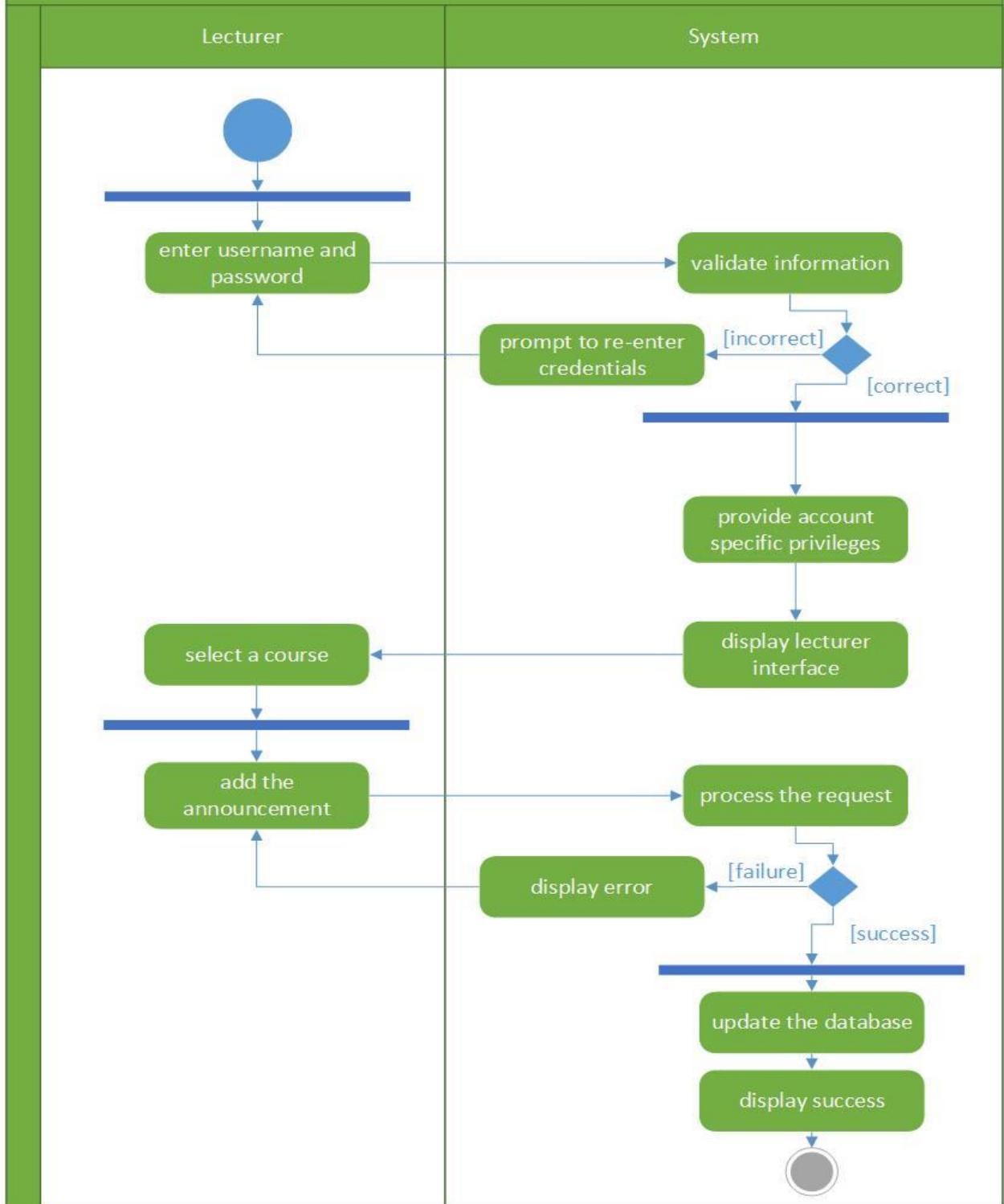


Figure 34 - Activity Diagram for Adding the Announcements for the Assigned Course – Lecturer

Activity Diagram for Updating the Announcements for the Assigned Course - Lecturer

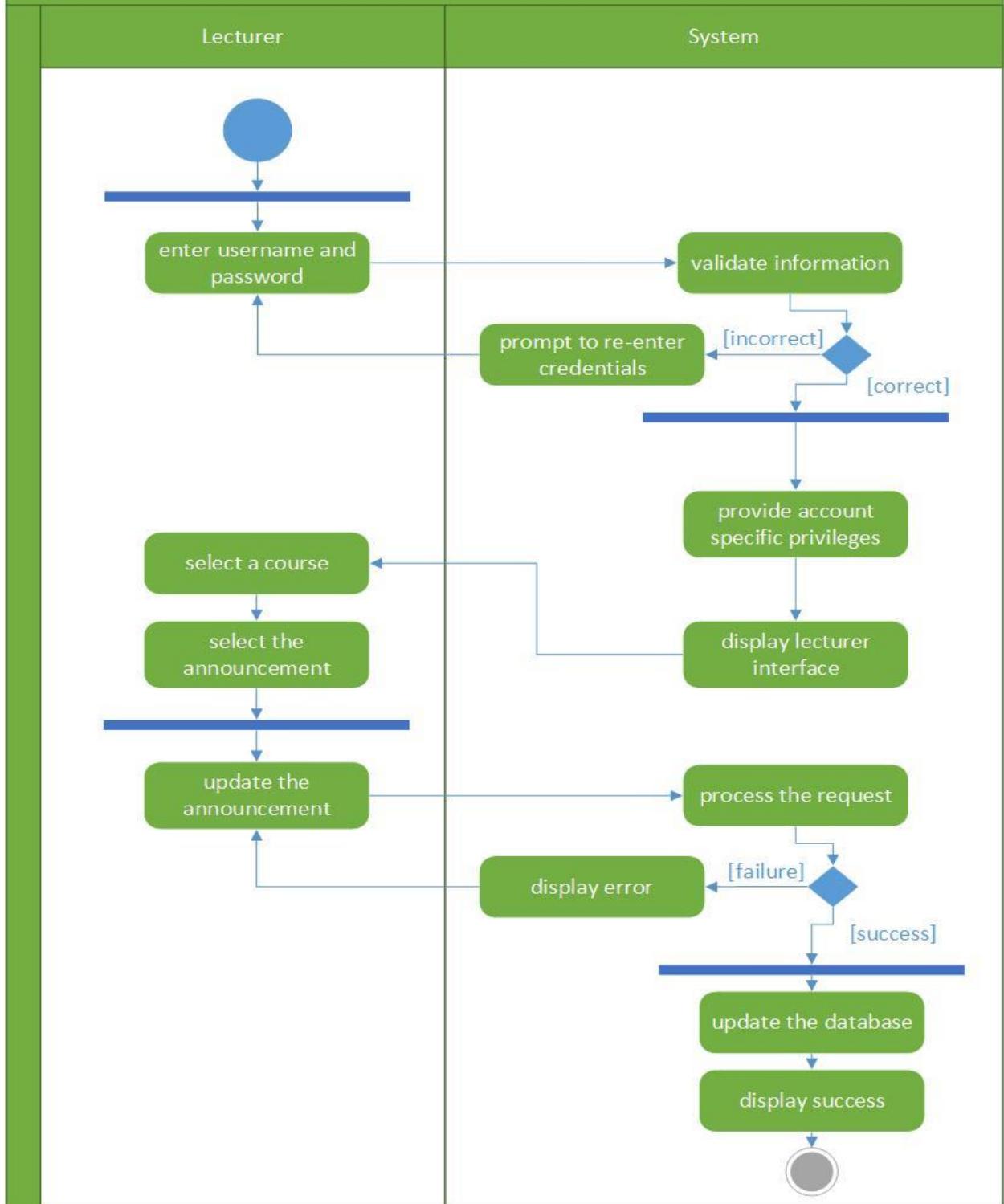


Figure 35- Activity Diagram for Updating the Announcements for the Assigned Course – Lecturer

Activity Diagram for Deleting the Announcements from the Assigned Course - Lecturer

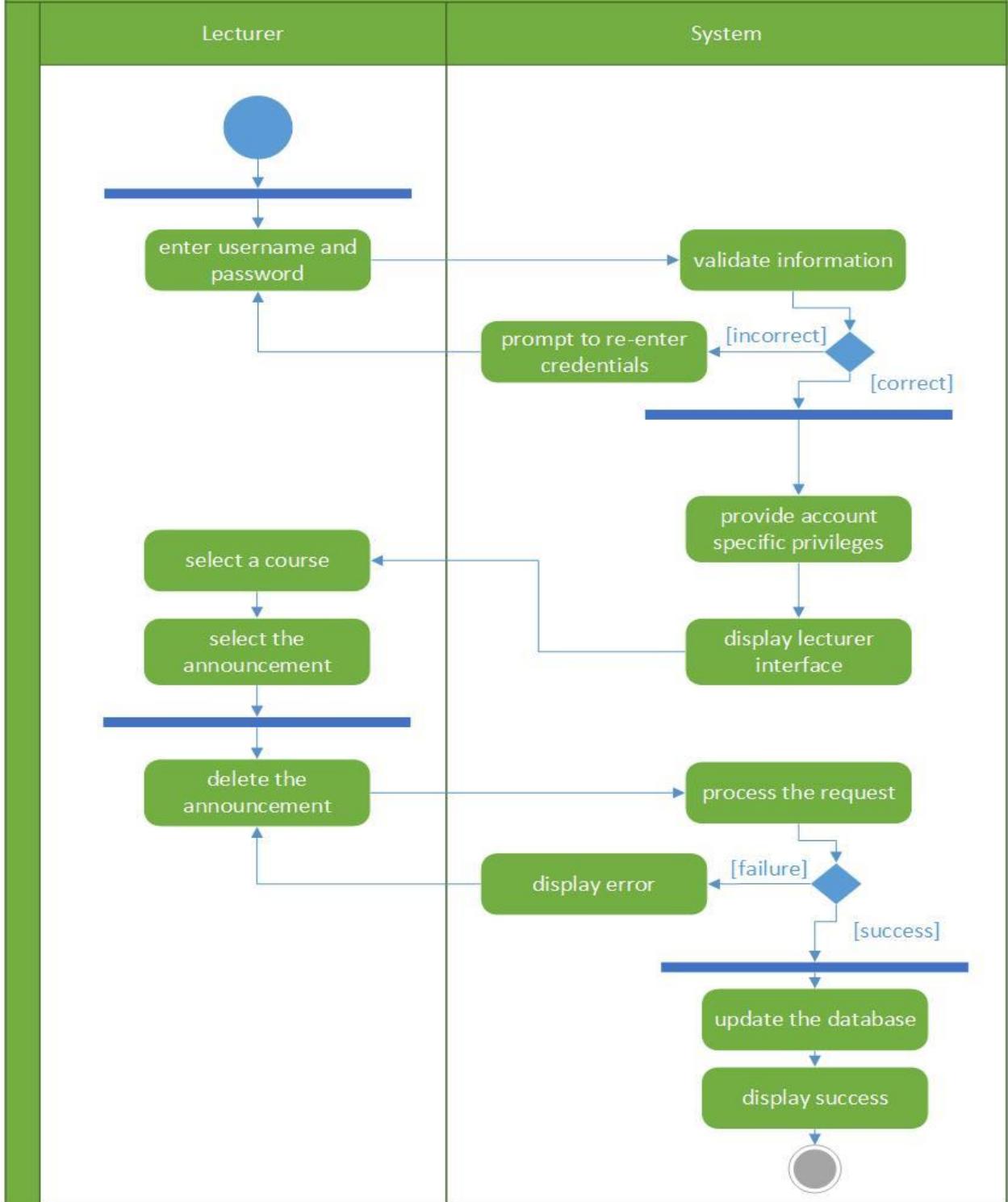


Figure 36- Activity Diagram for Deleting the Announcements from the Assigned Course – Lecturer

Activity Diagram for Viewing Transactions and Events on the Dashboard for the Assigned Courses - Lecturer

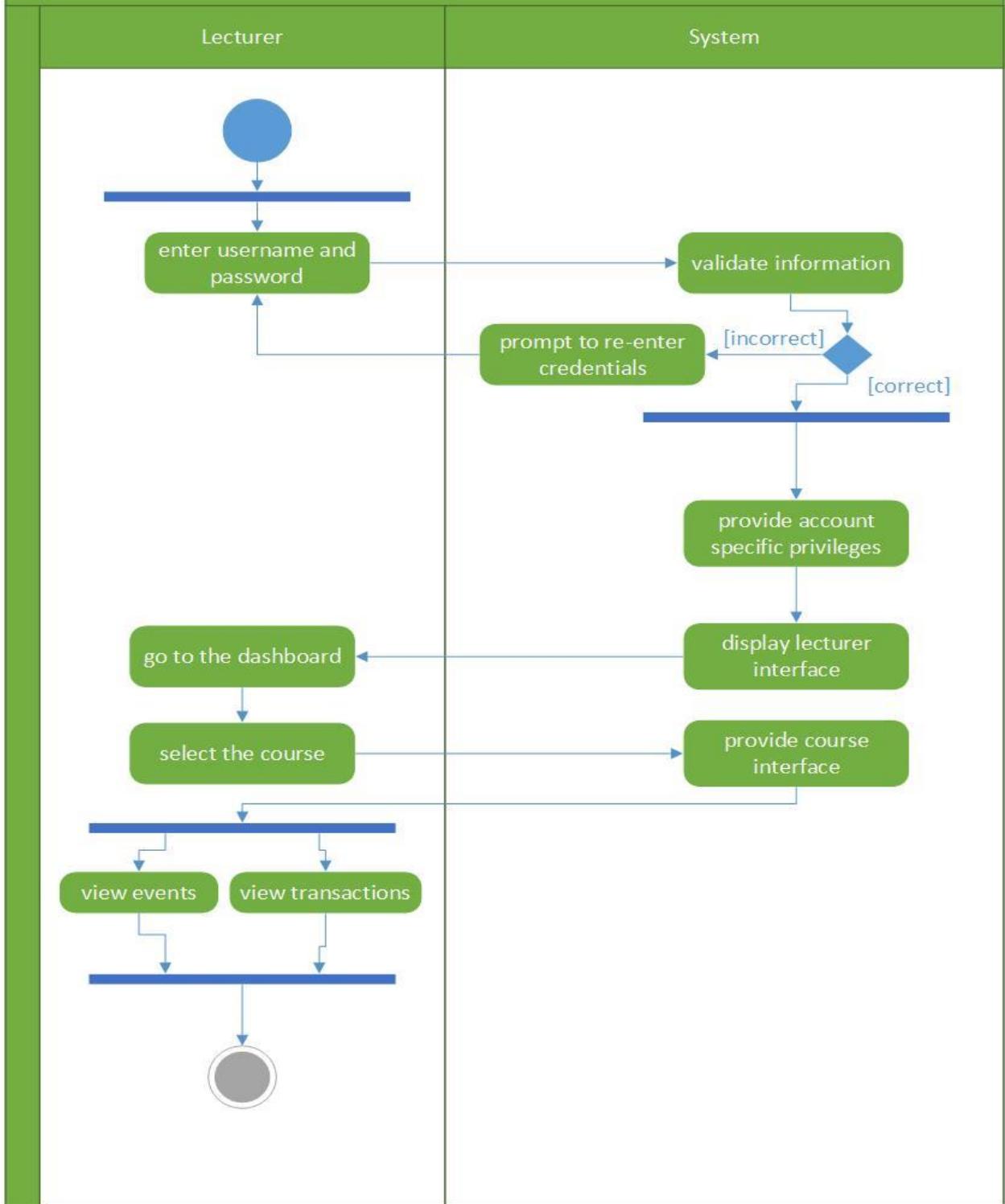


Figure 37 - Activity Diagram for Viewing Transactions and Events on the Dashboard for the Assigned Courses – Lecturer

Activity Diagram for Creating a Forum for the Assigned Course - Lecturer

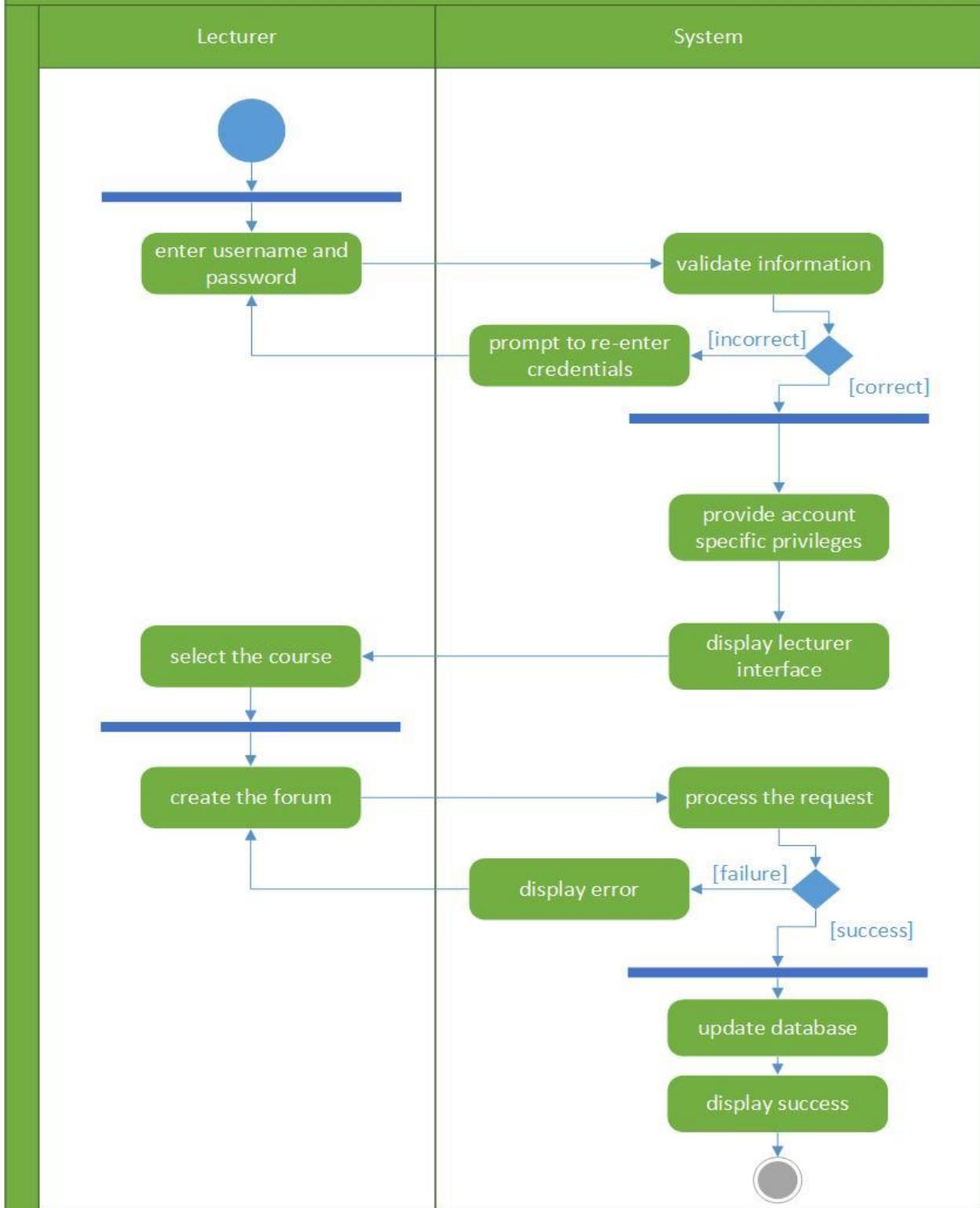


Figure 38 - Activity Diagram for Creating a Forum for the Assigned Course – Lecturer

Activity Diagram for Modifying a Forum for the Assigned Course - Lecturer

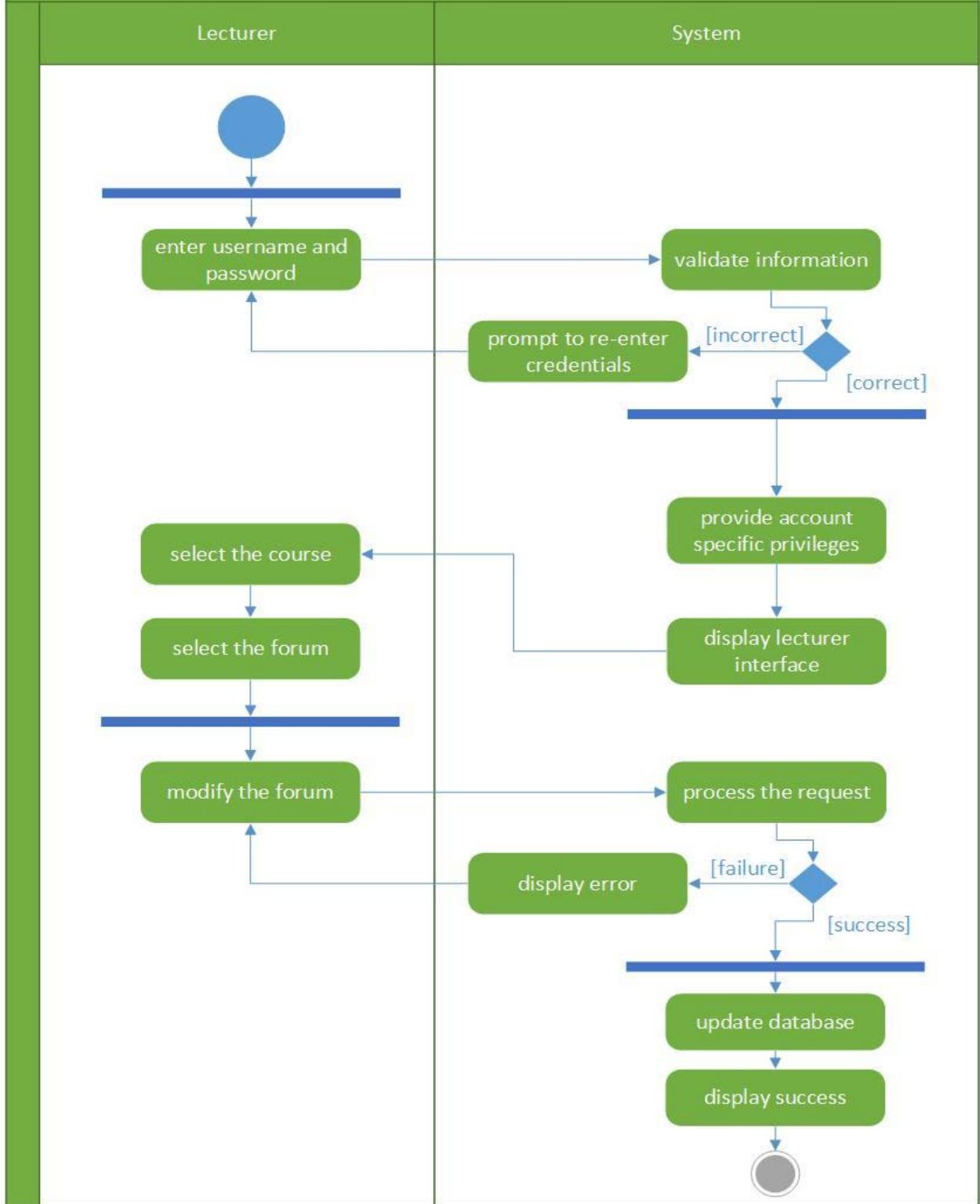


Figure 39- Activity Diagram for Modifying a Forum for the Assigned Course – Lecturer

Activity Diagram for Deleting the Forum from the Assigned Course - Lecturer

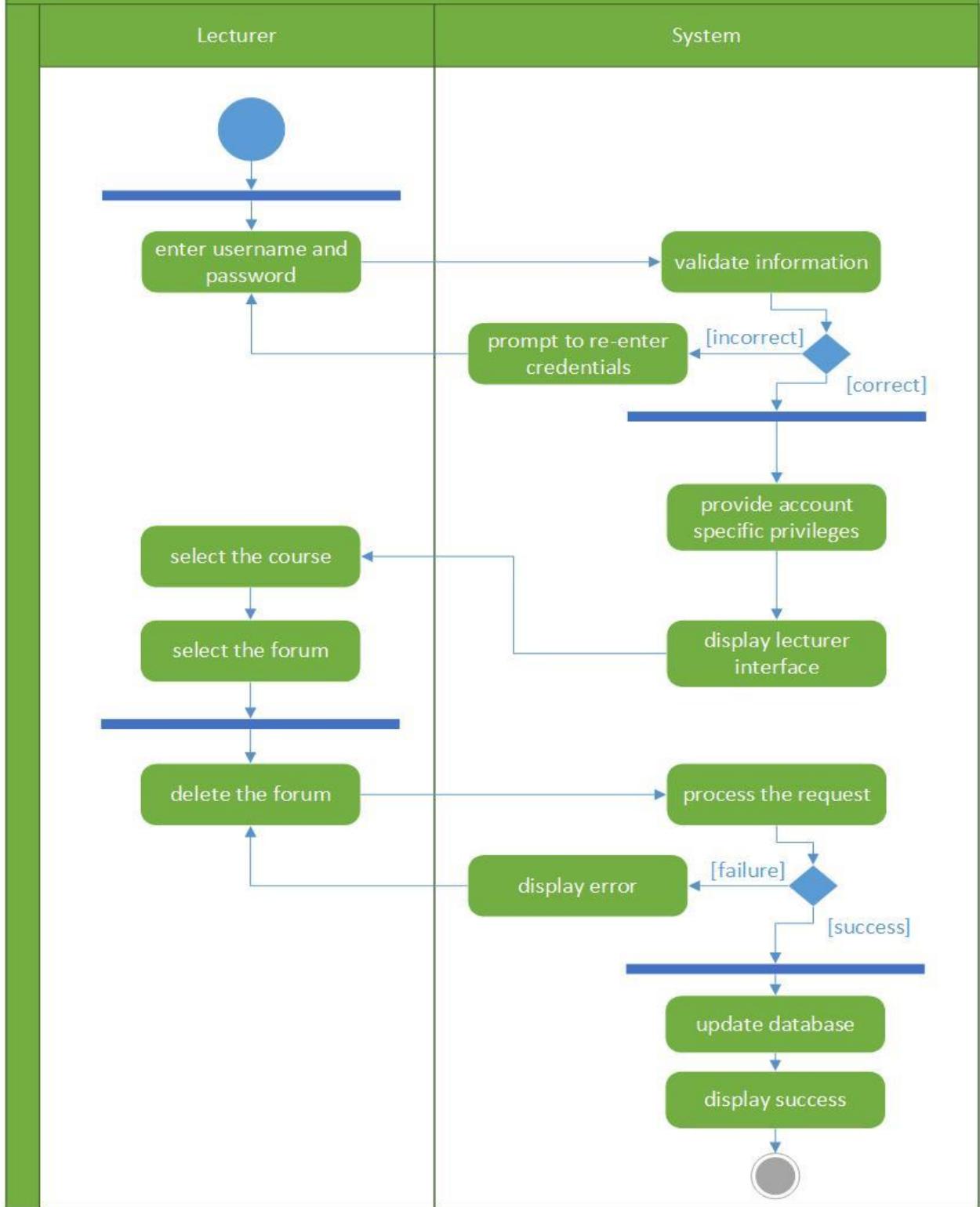


Figure 40 - Activity Diagram for Deleting the Forum from the Assigned Course – Lecturer

Activity Diagram for Creating the Forum Thread for the Assigned Course - Lecturer

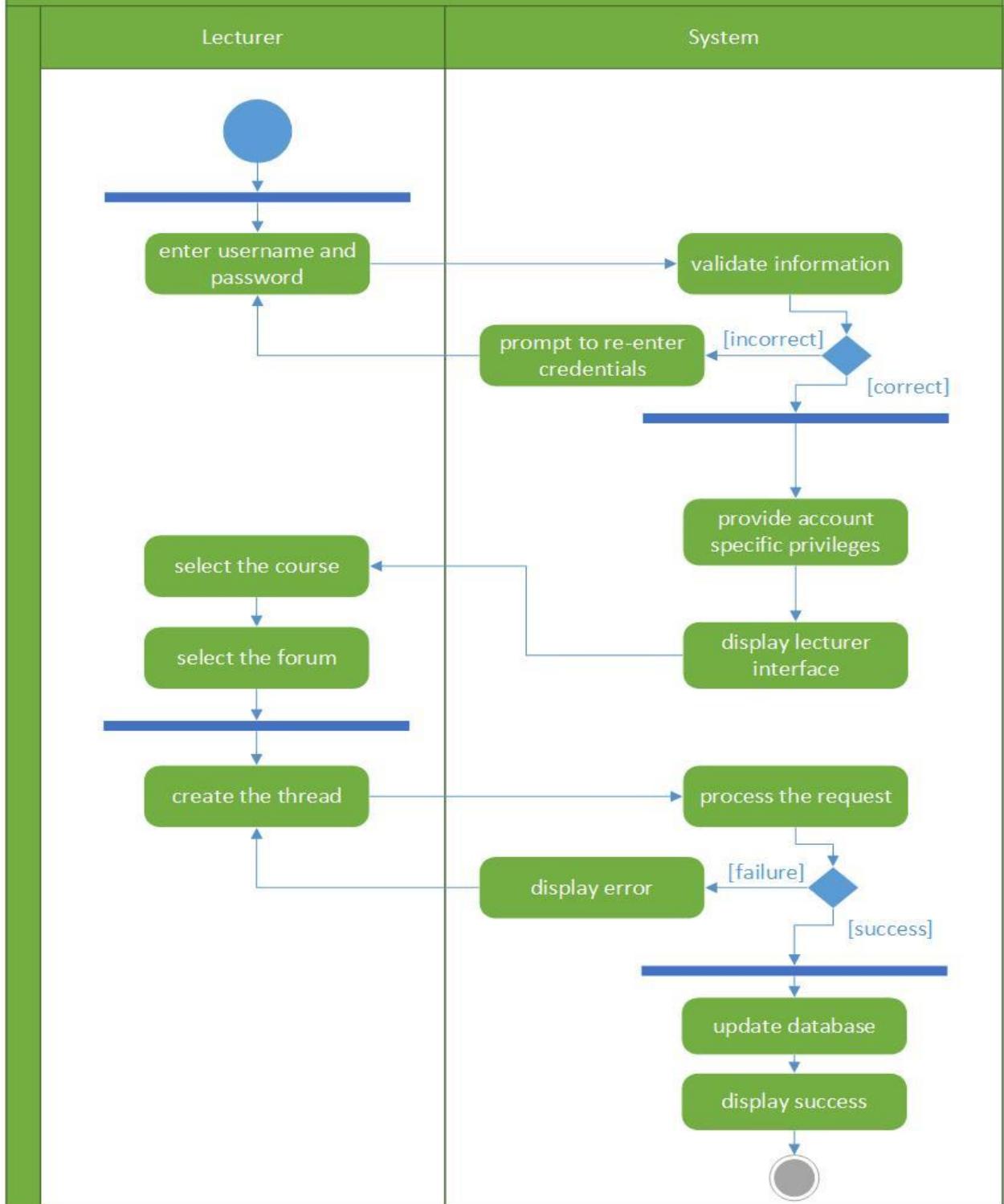


Figure 41 - Activity Diagram for Creating the Forum Thread for the Assigned Course – Lecturer

Activity Diagram for Editing a Forum Thread for the Assigned Course - Lecturer

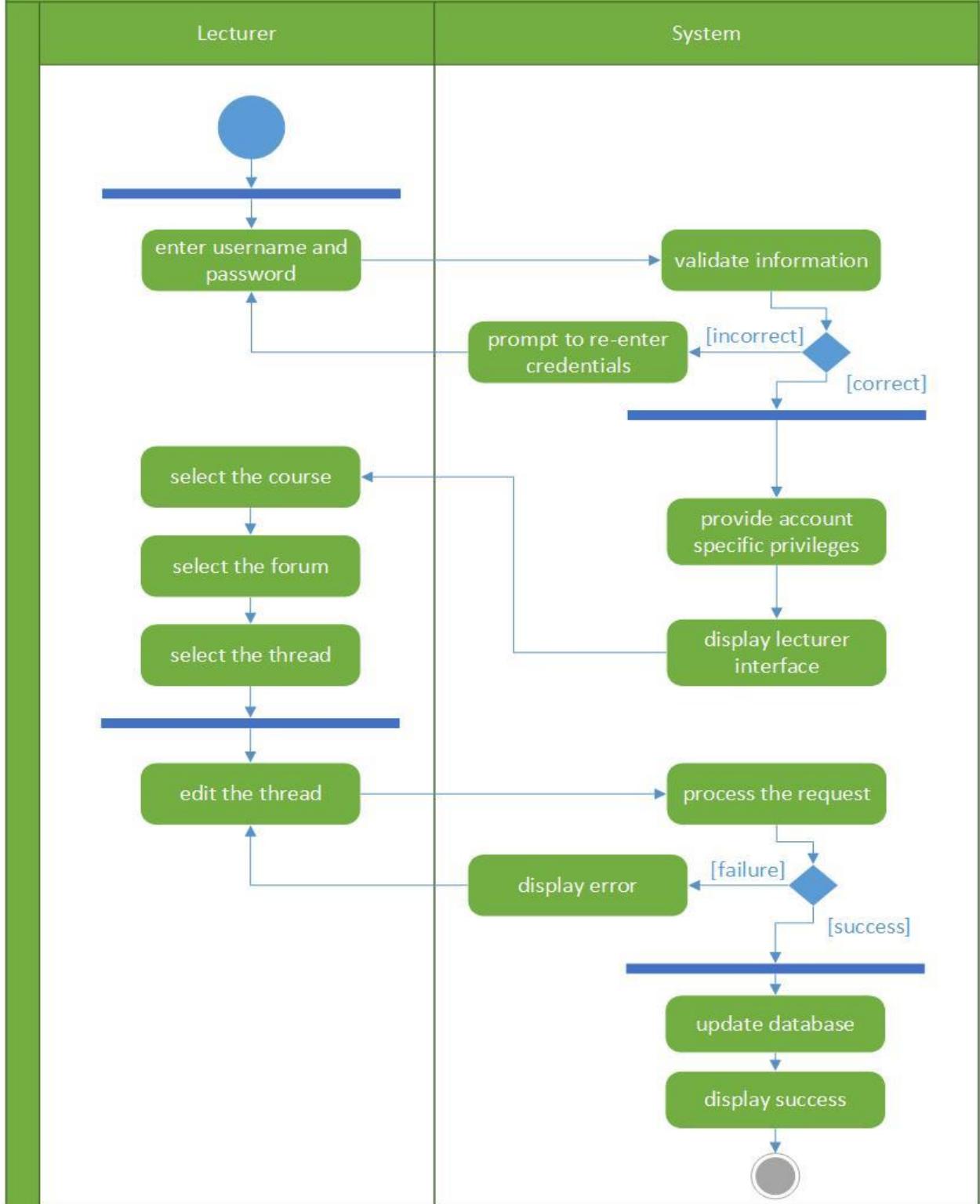


Figure 42 - Activity Diagram for Editing a Forum Thread for the Assigned Course – Lecturer

Activity Diagram for Deleting a Forum Thread for the Assigned Course - Lecturer

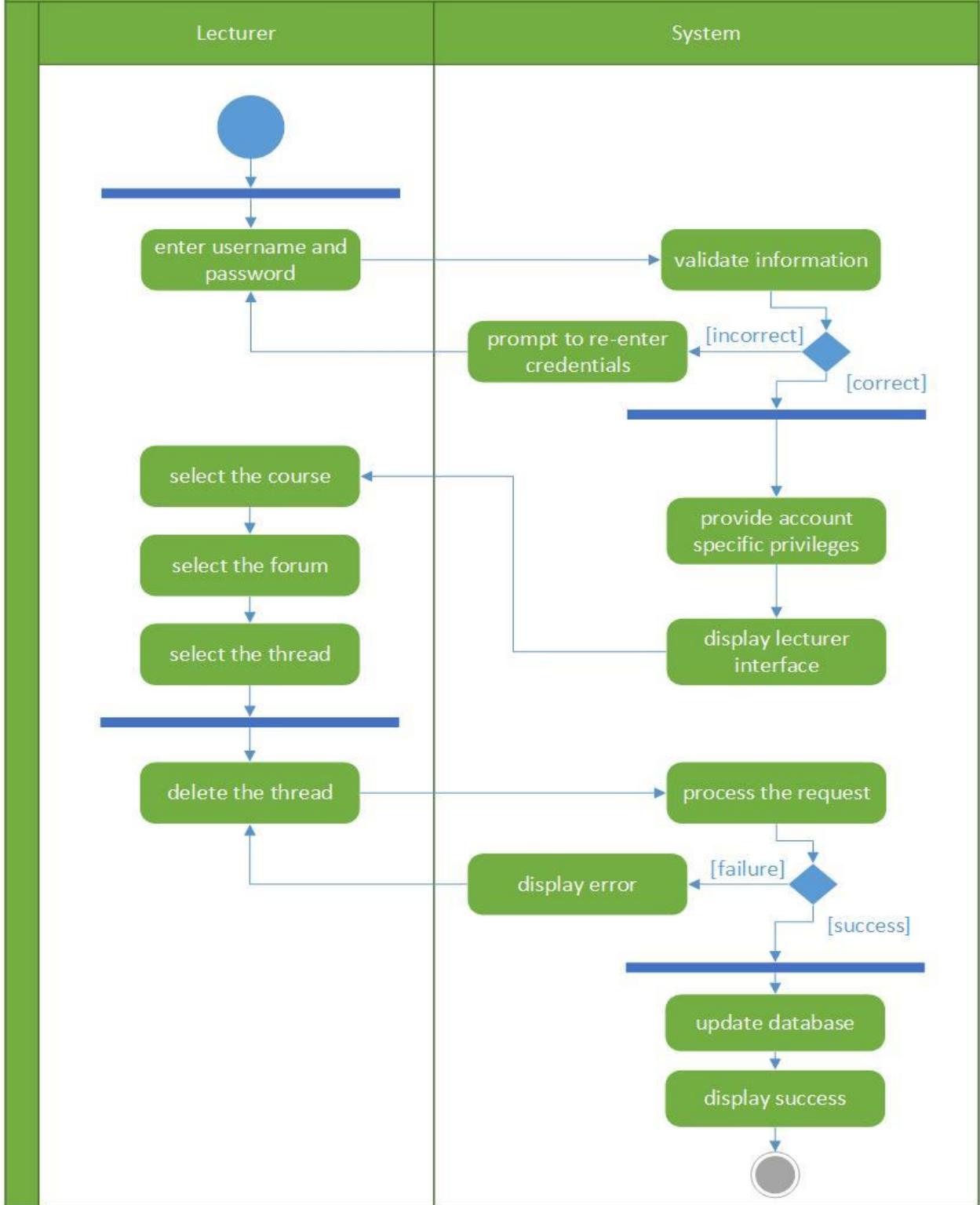


Figure 43 - Activity Diagram for Deleting a Forum Thread for the Assigned Course – Lecturer

Activity Diagram for Creating a Forum Post for the Assigned Course - Lecturer

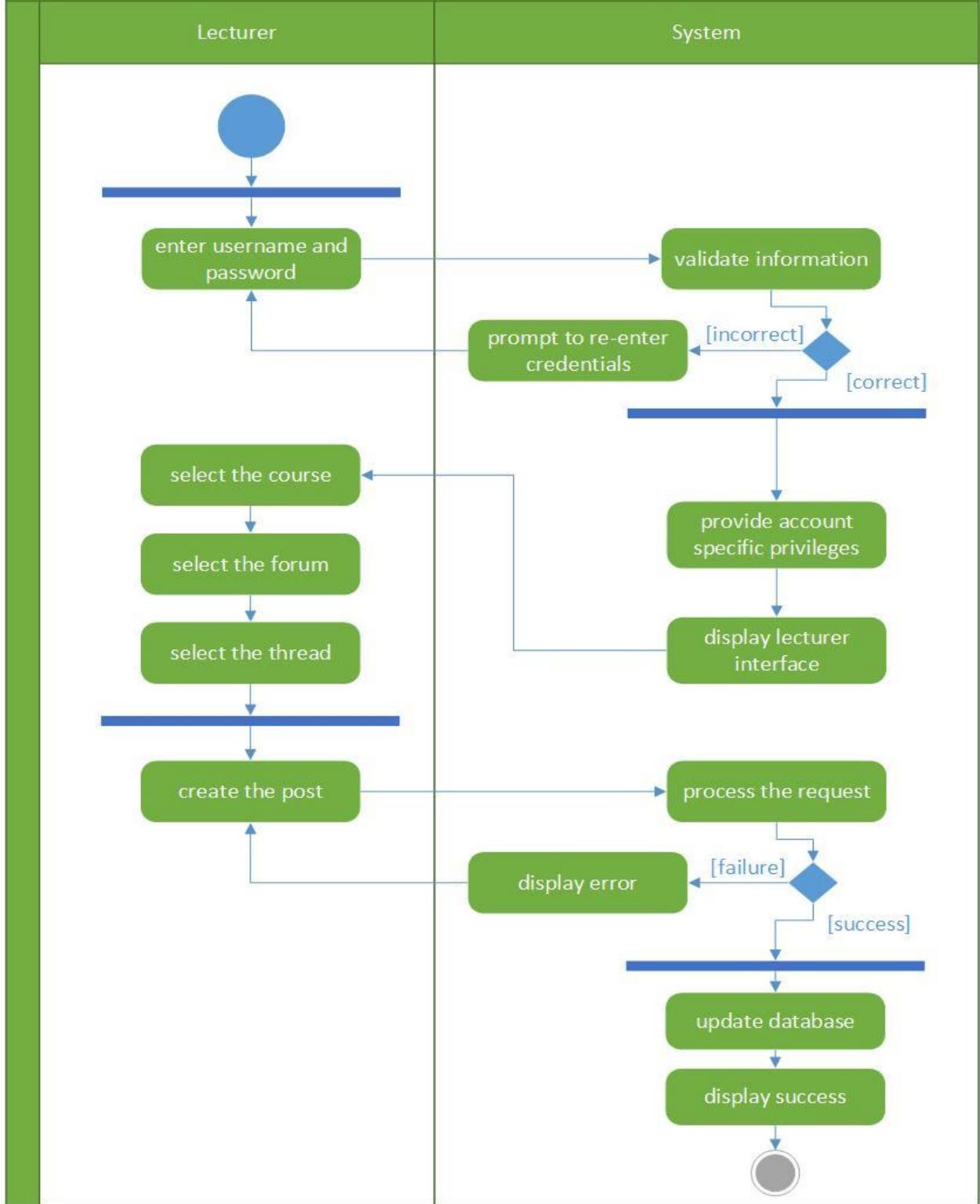


Figure 44 - Activity Diagram for Creating a Forum Post for the Assigned Course – Lecturer

Activity Diagram for Editing a Forum Post for the Assigned Course - Lecturer

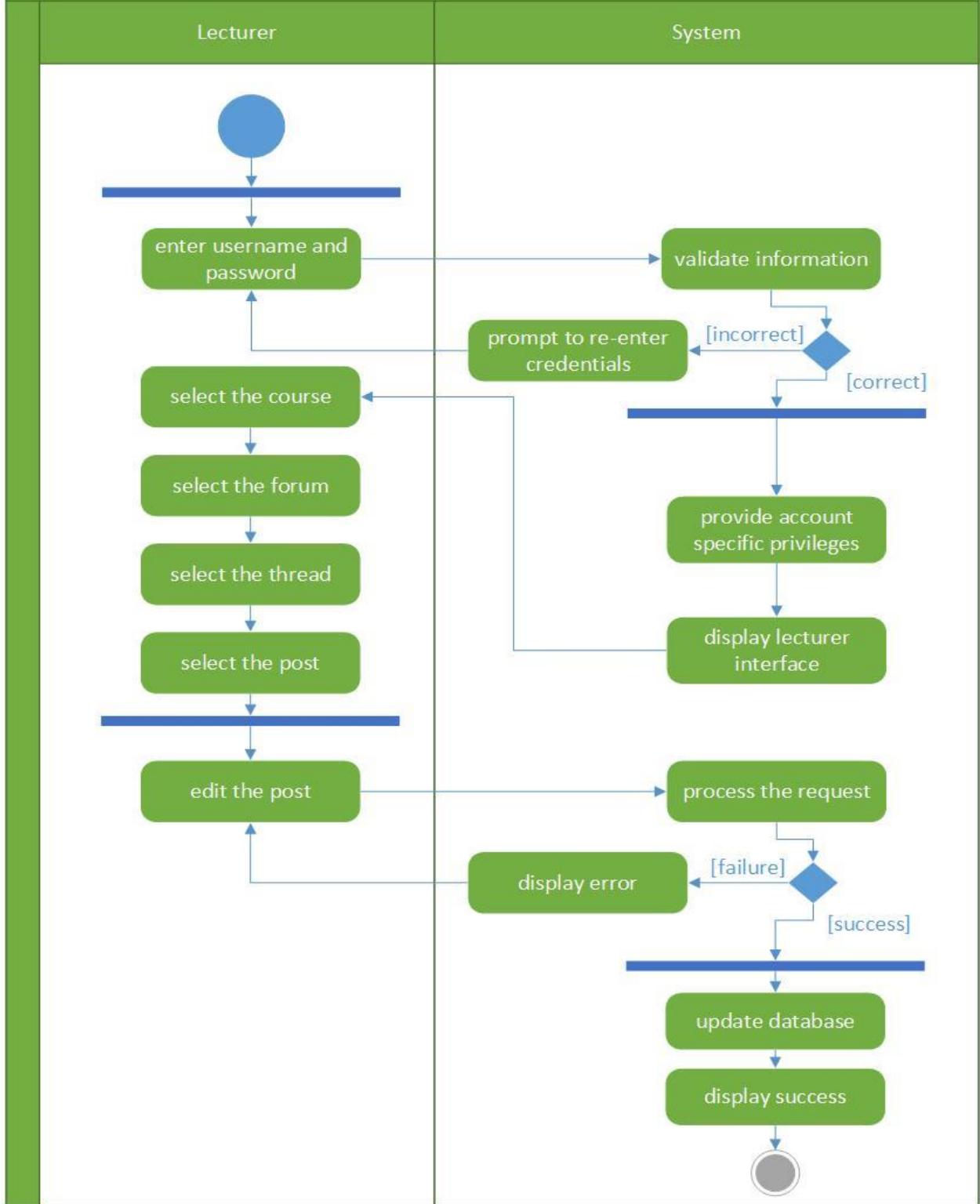


Figure 45 - Activity Diagram for Editing a Forum Post for the Assigned Course – Lecturer

Activity Diagram for Deleting a Forum Post for the Assigned Course - Lecturer

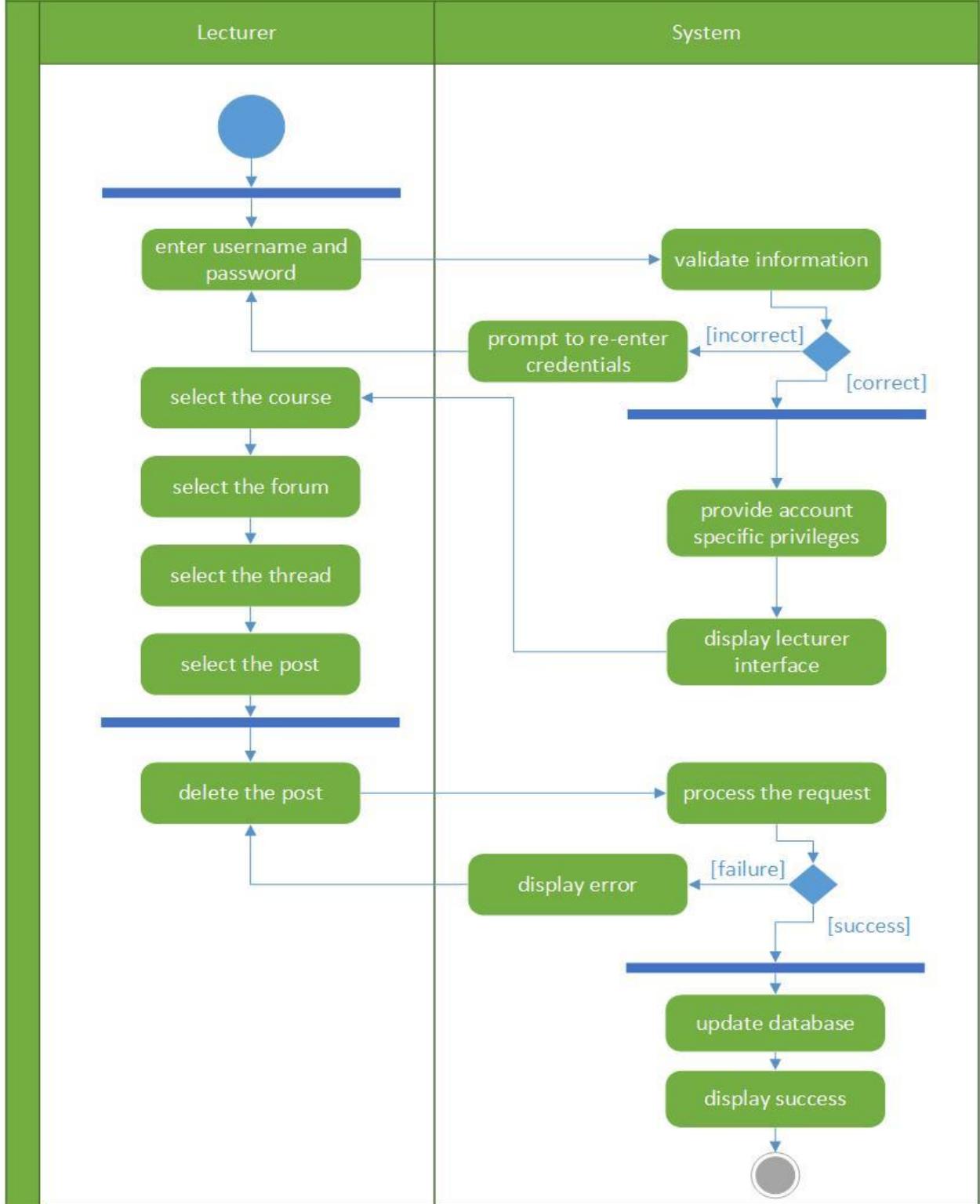


Figure 46 - Activity Diagram for Deleting a Forum Post for the Assigned Course – Lecturer

Activity Diagram for Viewing Transactions and Events on the Dashboard for the Whole Website - Administrator

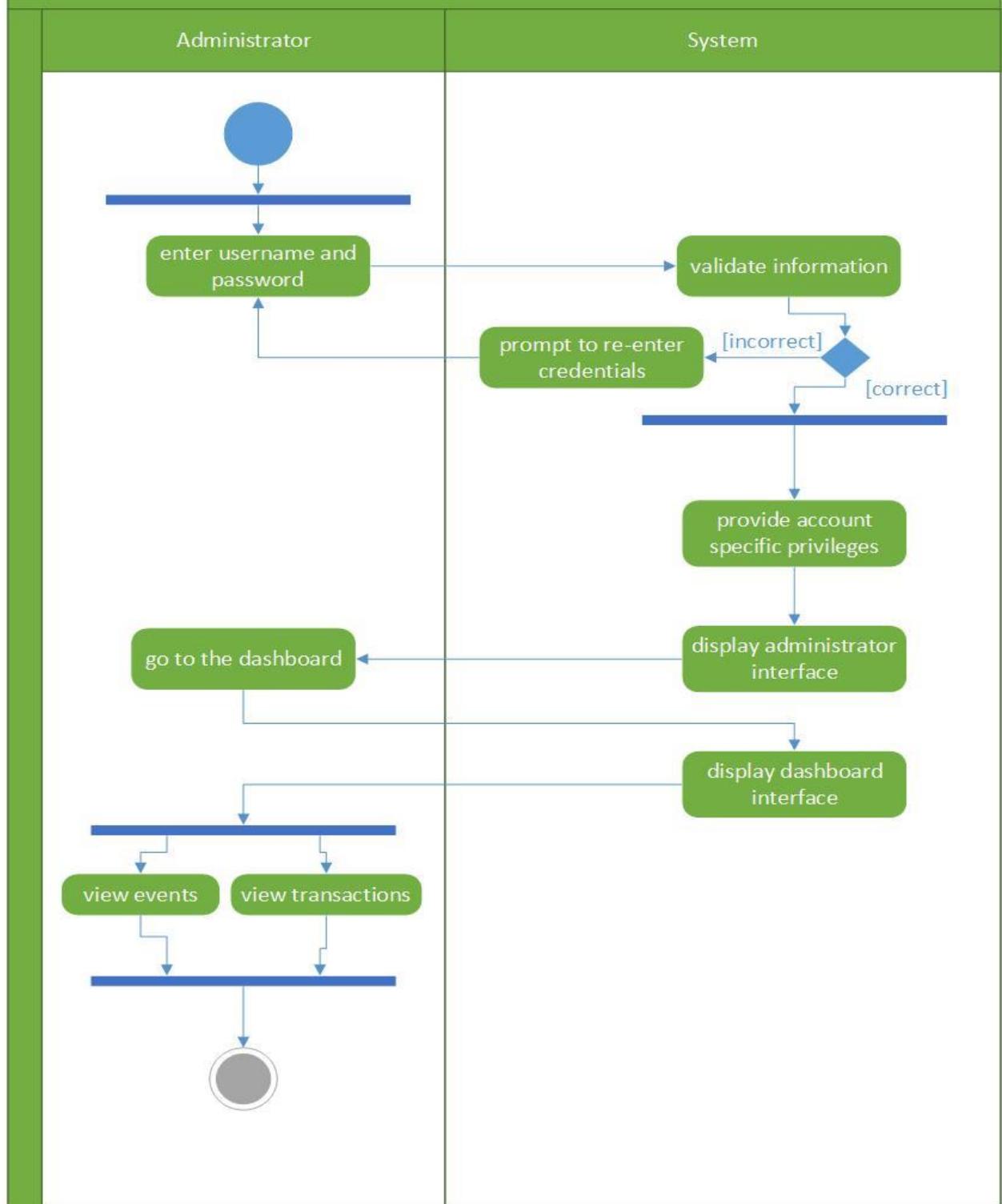


Figure 47 - Activity Diagram for Viewing Transactions and Events on the Dashboard for the Whole Website – Administrator

Activity Diagram for Adding a Student - Administrator

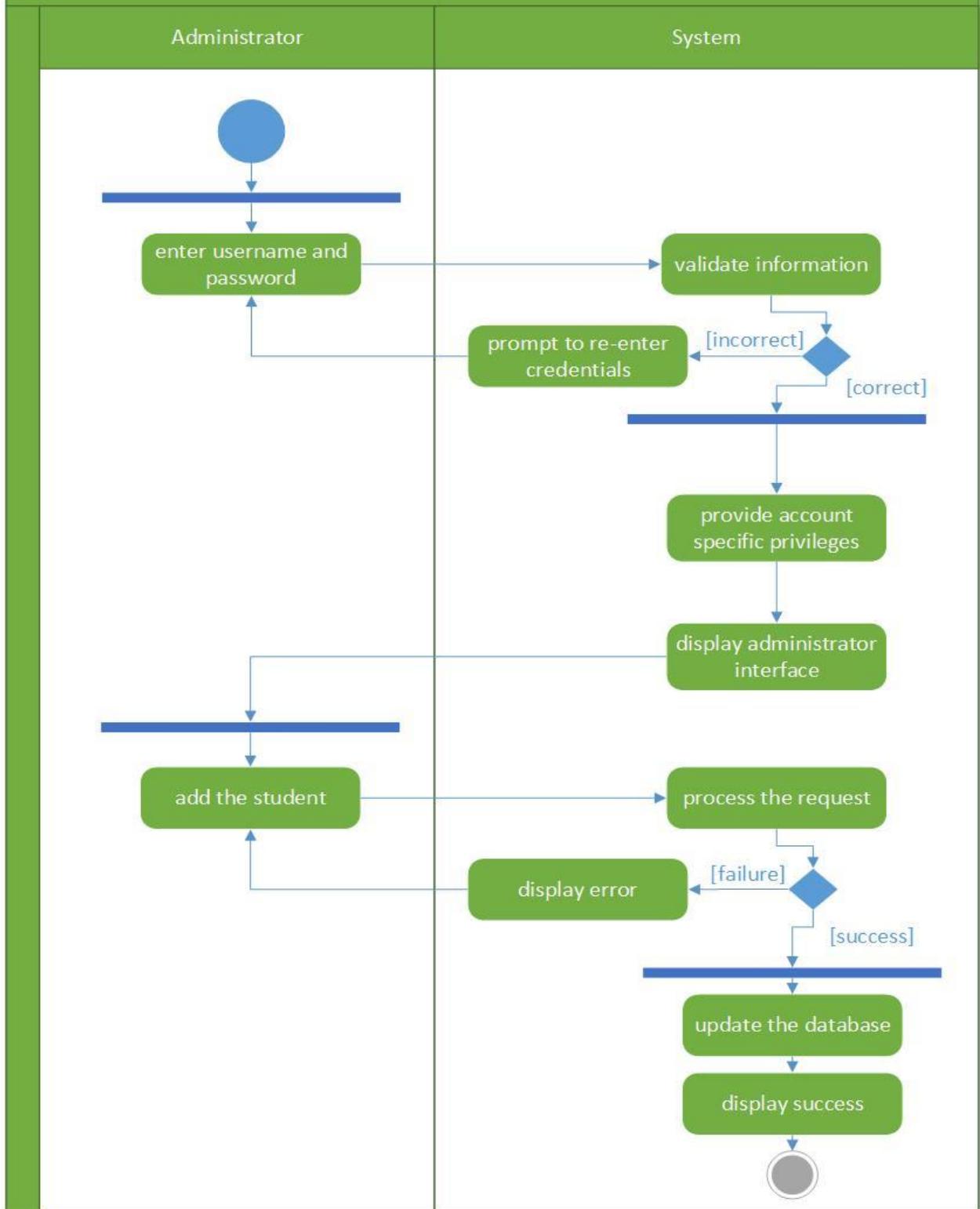


Figure 48 - Activity Diagram for Adding a Student – Administrator

Activity Diagram for Updating a Student - Administrator

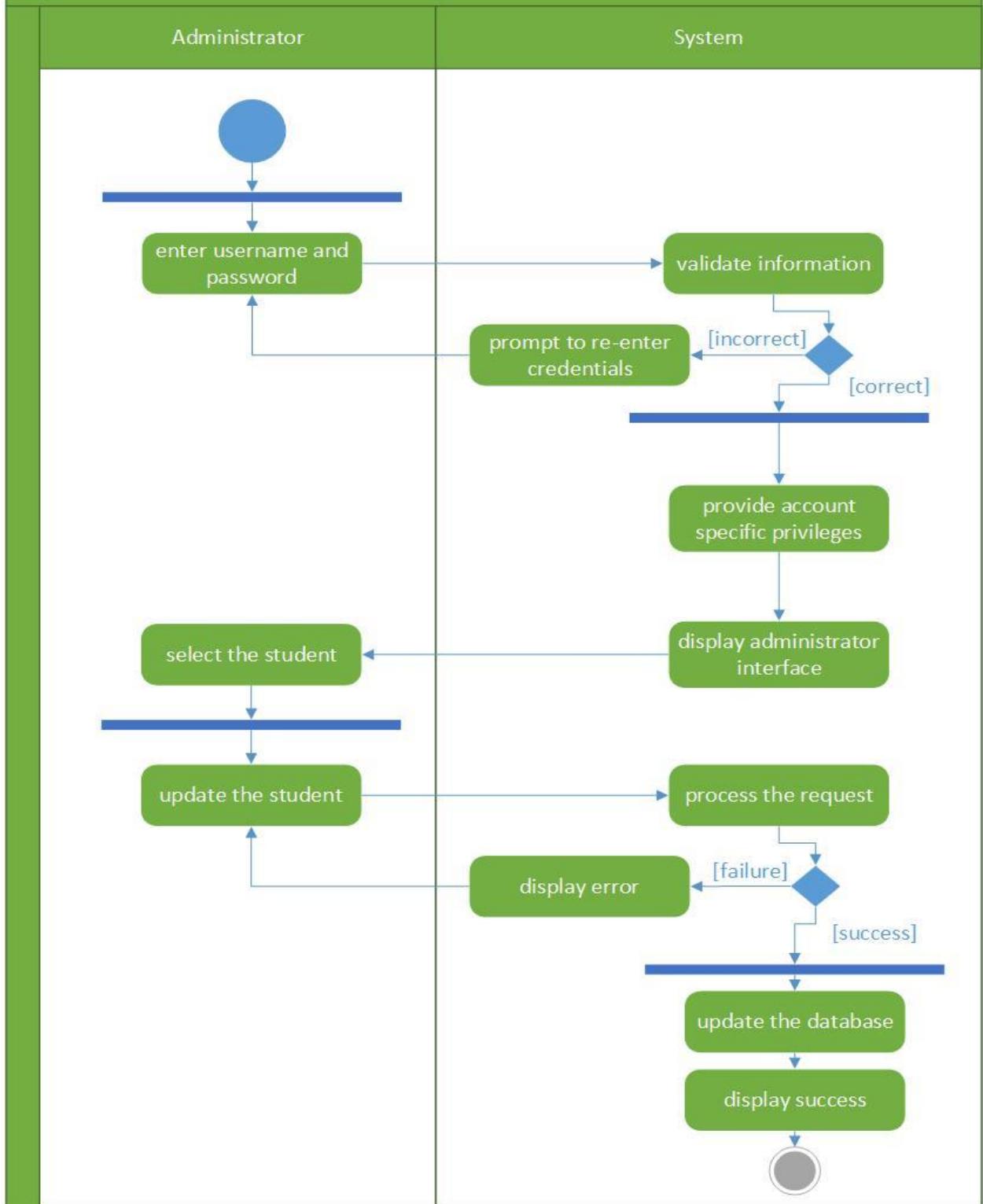


Figure 49 - Activity Diagram for Updating a Student – Administrator

Activity Diagram for Deleting a Student - Administrator

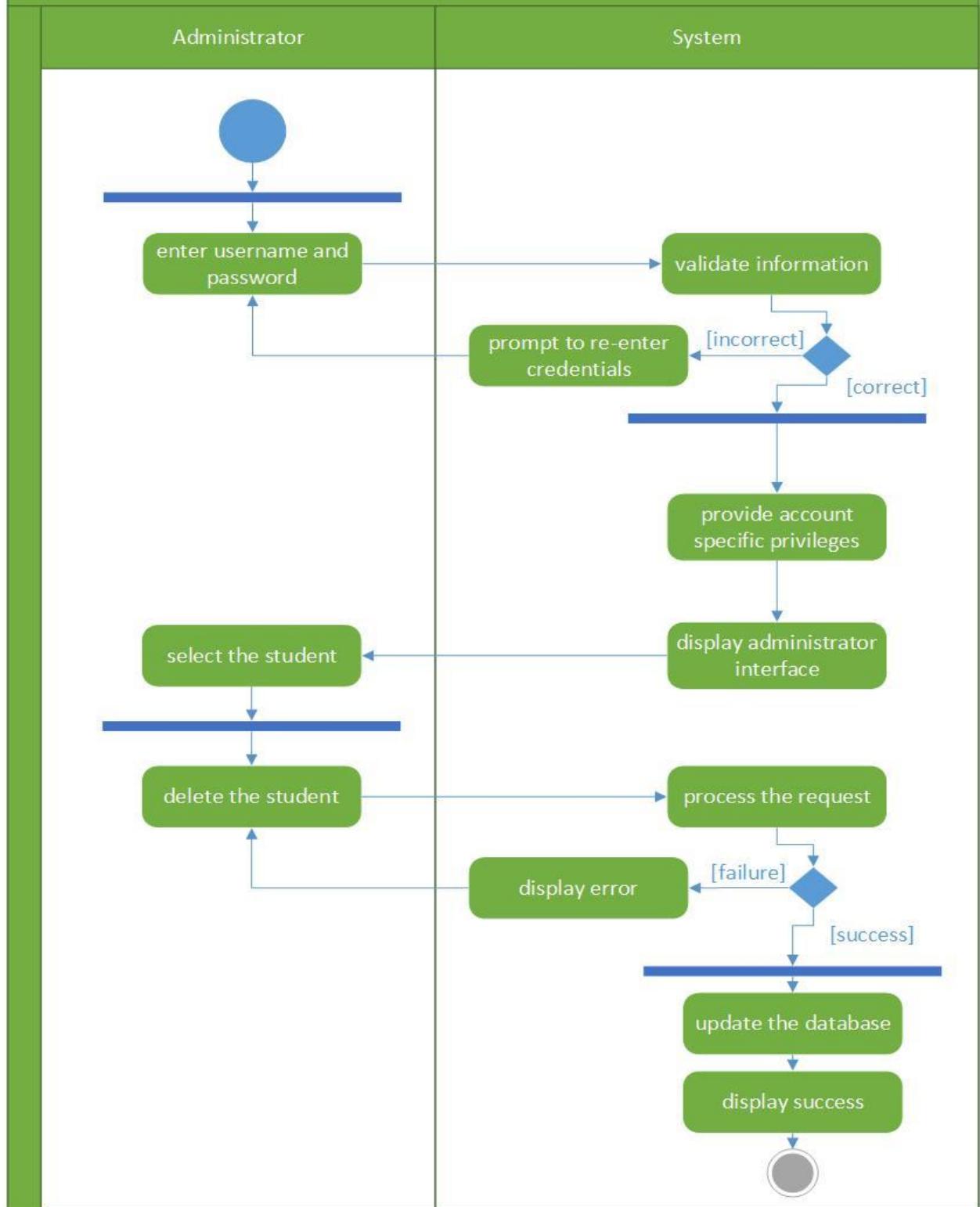


Figure 50 - Activity Diagram for Deleting a Student – Administrator

Activity Diagram for Adding a Course - Administrator

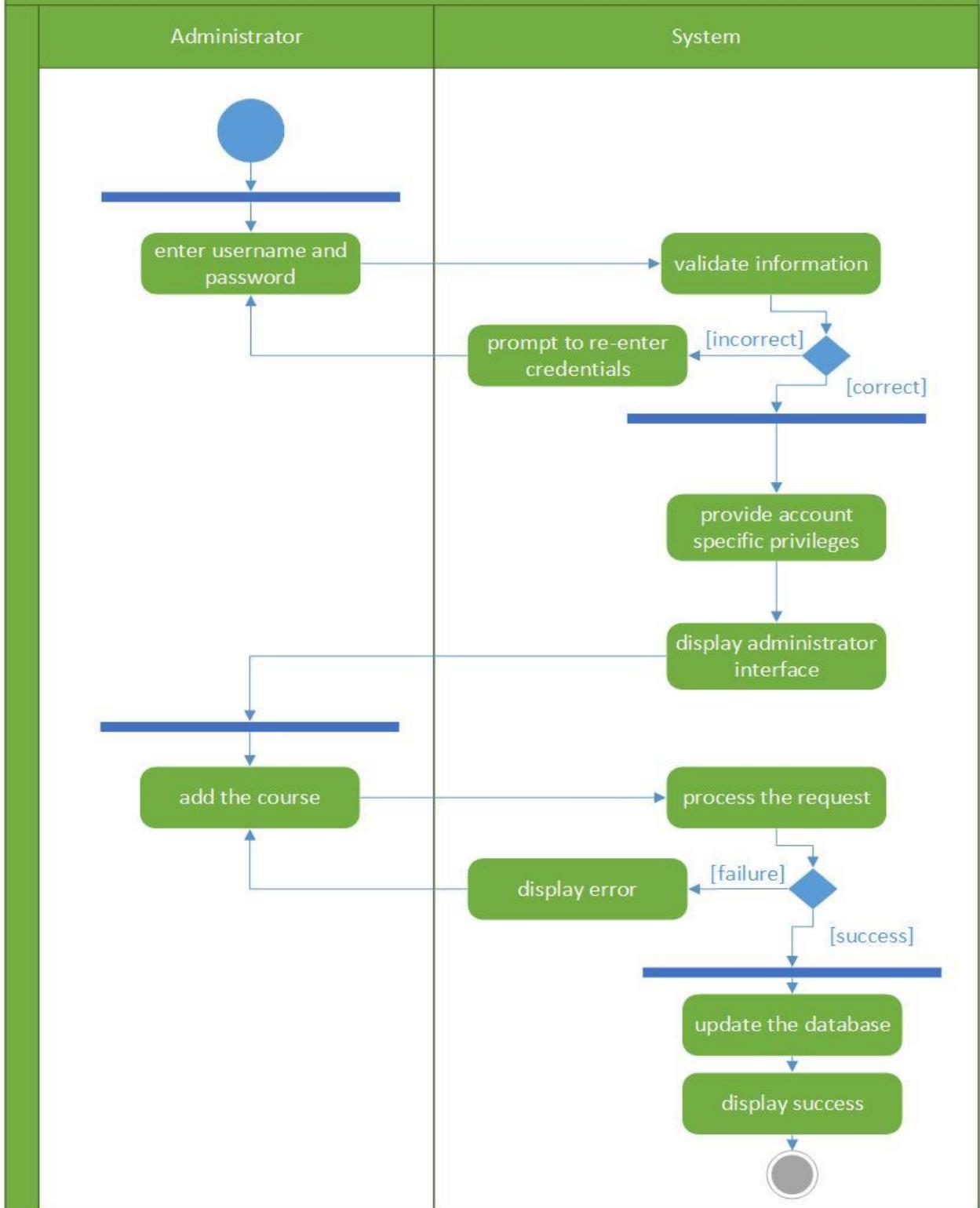


Figure 51 - Activity Diagram for Adding a Course – Administrator

Activity Diagram for Updating a Course - Administrator

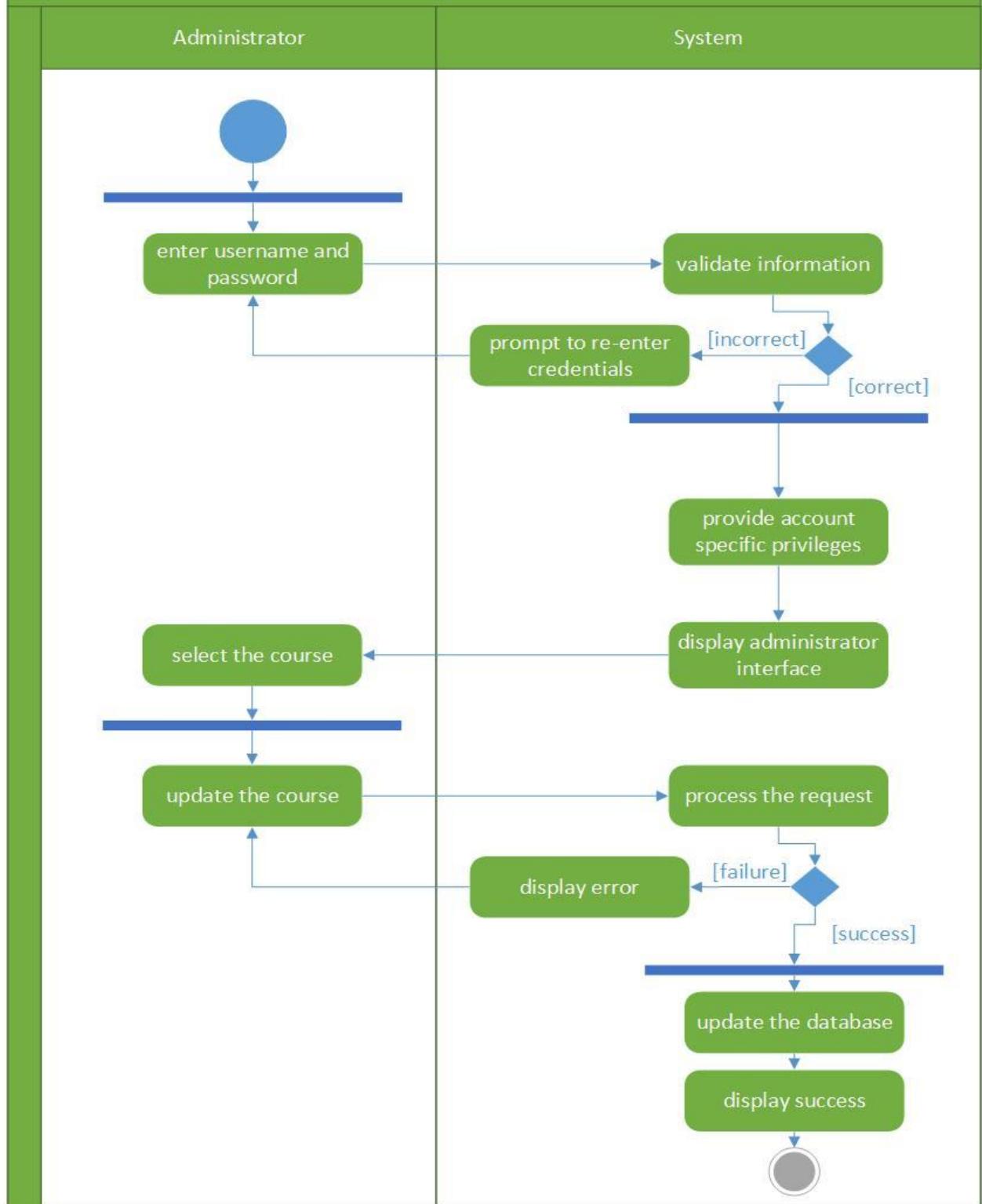


Figure 52 - Activity Diagram for Updating a Course – Administrator

Activity Diagram for Deleting a Course - Administrator

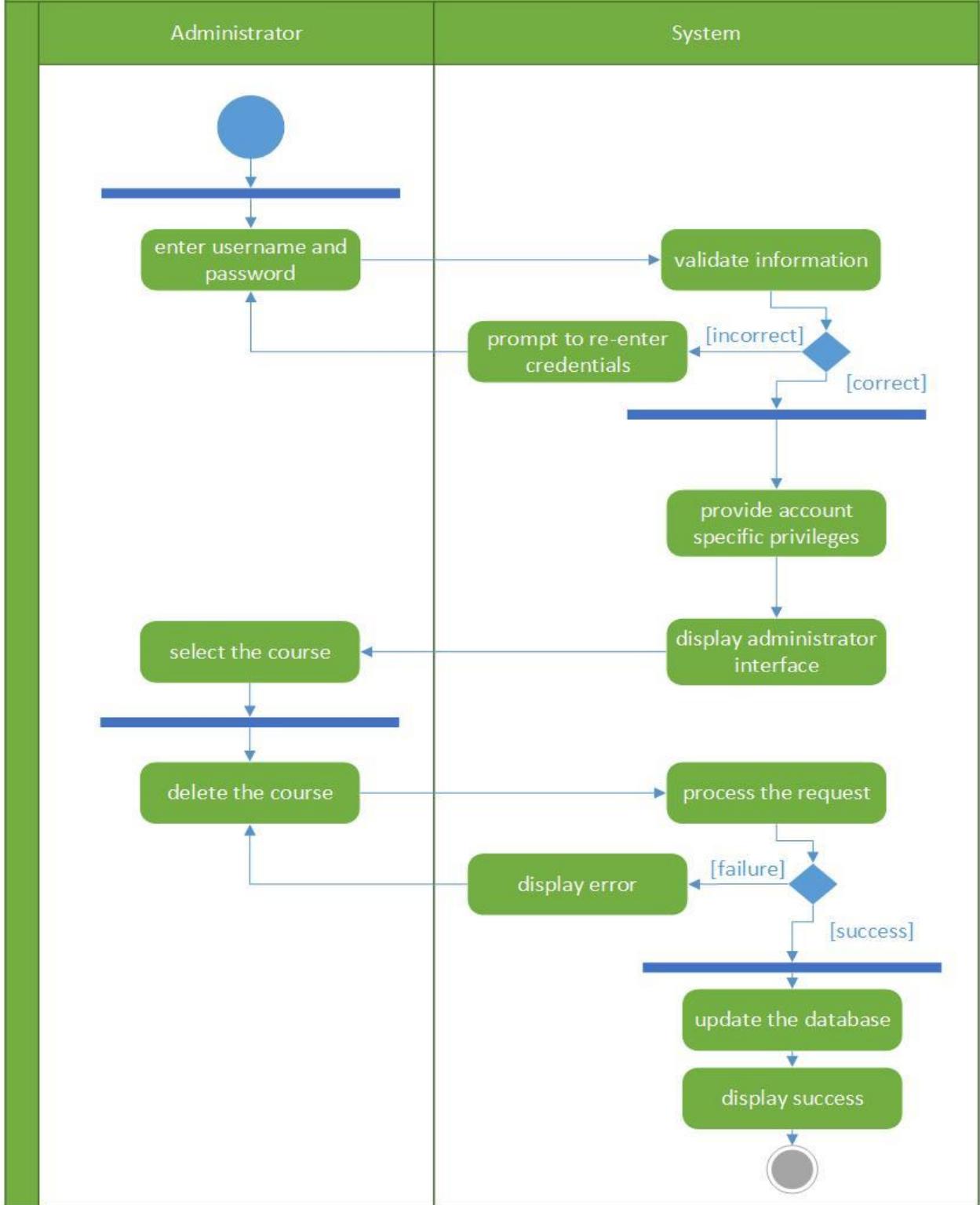


Figure 53 - Activity Diagram for Deleting a Course – Administrator

Activity Diagram for Adding a Lecturer - Administrator

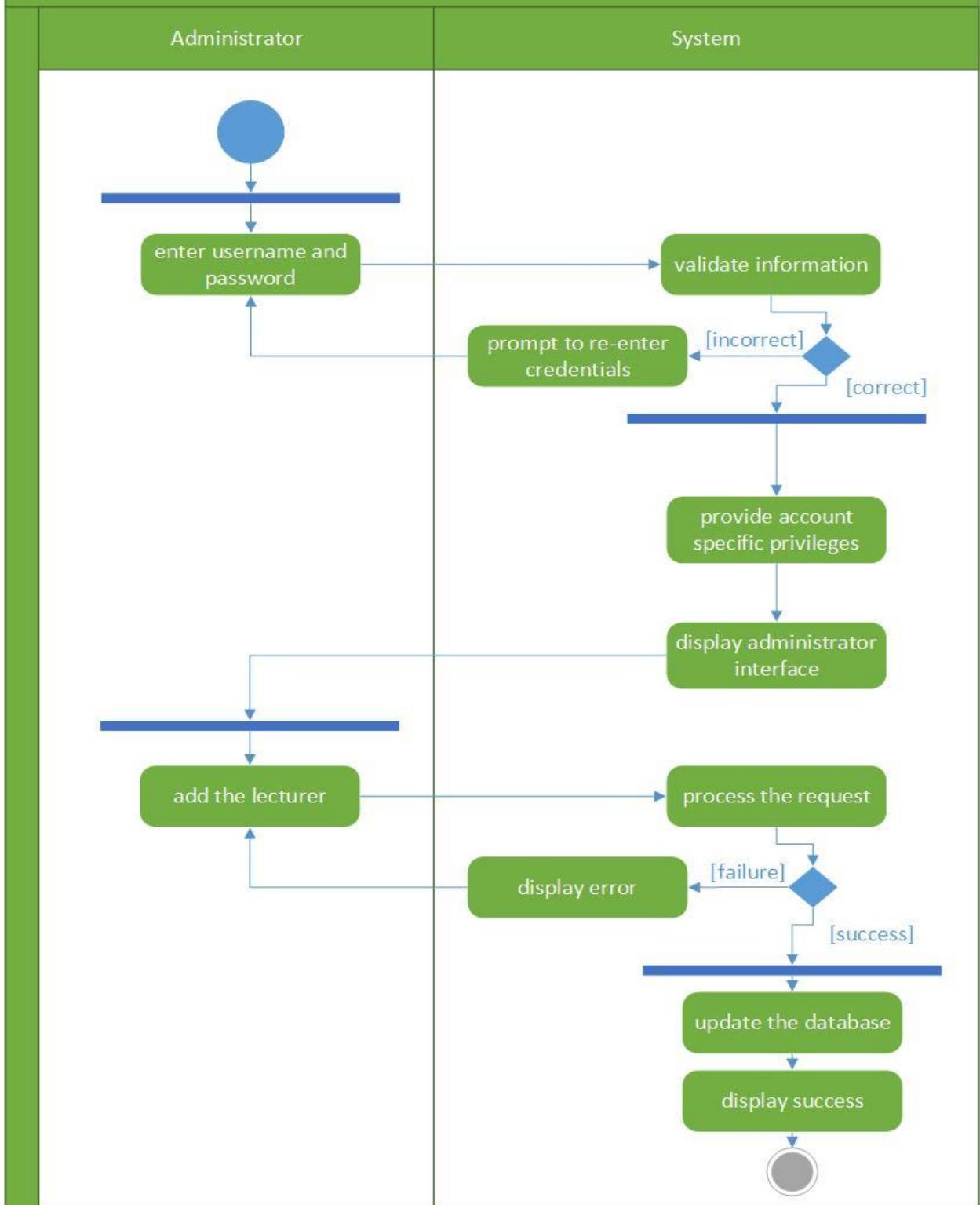


Figure 54 - Activity Diagram for Adding a Lecturer – Administrator

Activity Diagram for Updating a Lecturer - Administrator

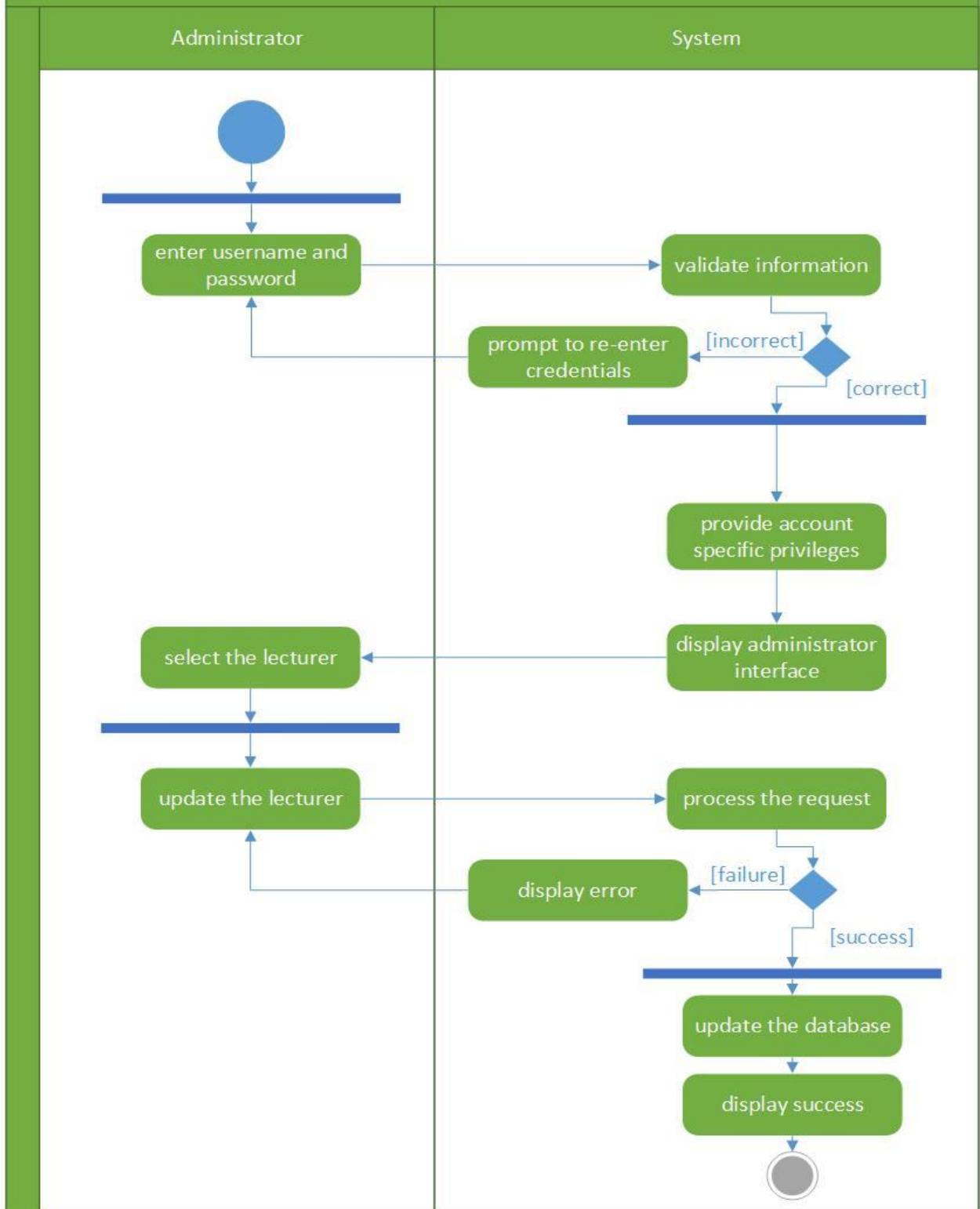


Figure 55 - Activity Diagram for Updating a Lecturer – Administrator

Activity Diagram for Deleting a Lecturer - Administrator

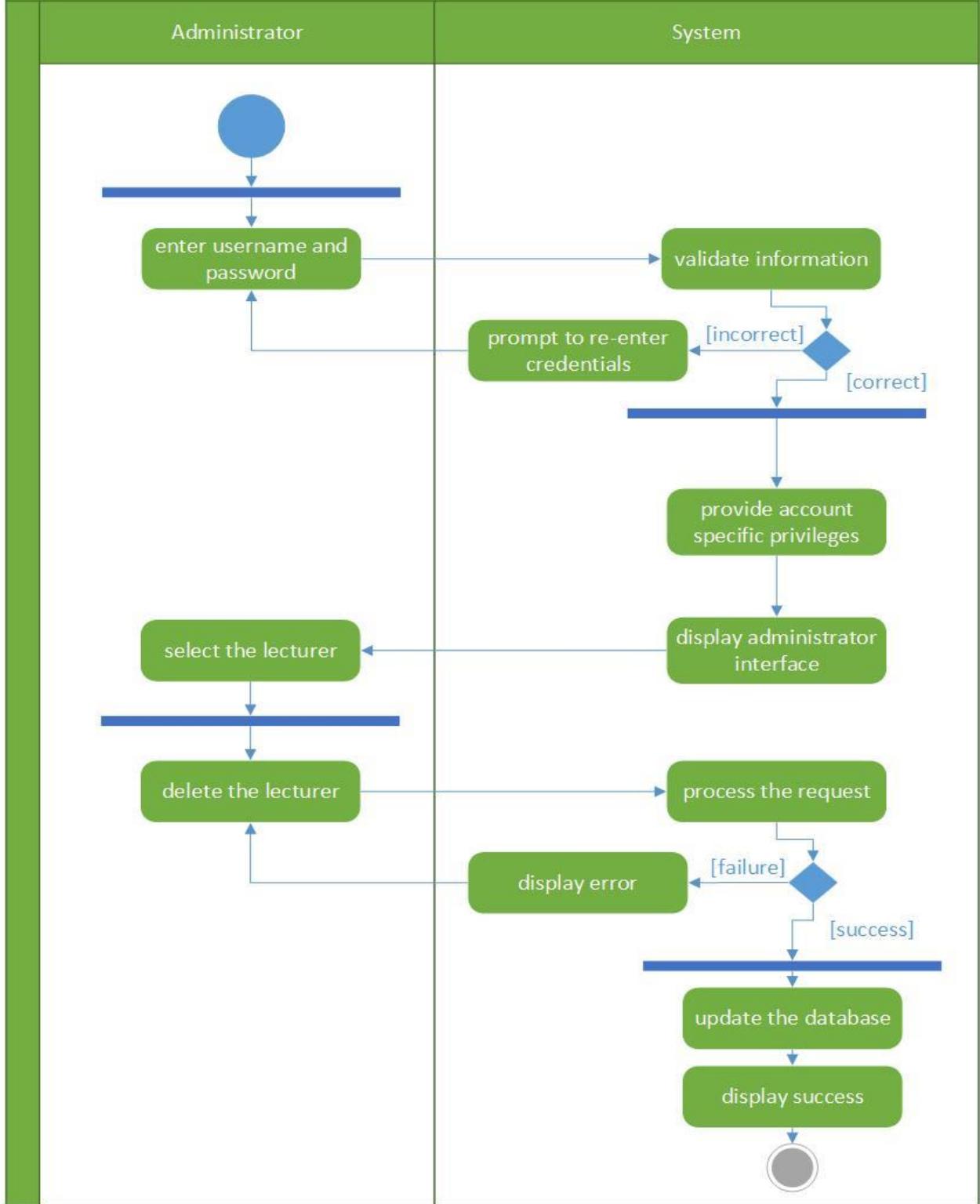


Figure 56 - Activity Diagram for Deleting a Lecturer – Administrator

Activity Diagram for Assigning a Lecturer to a Course - Administrator

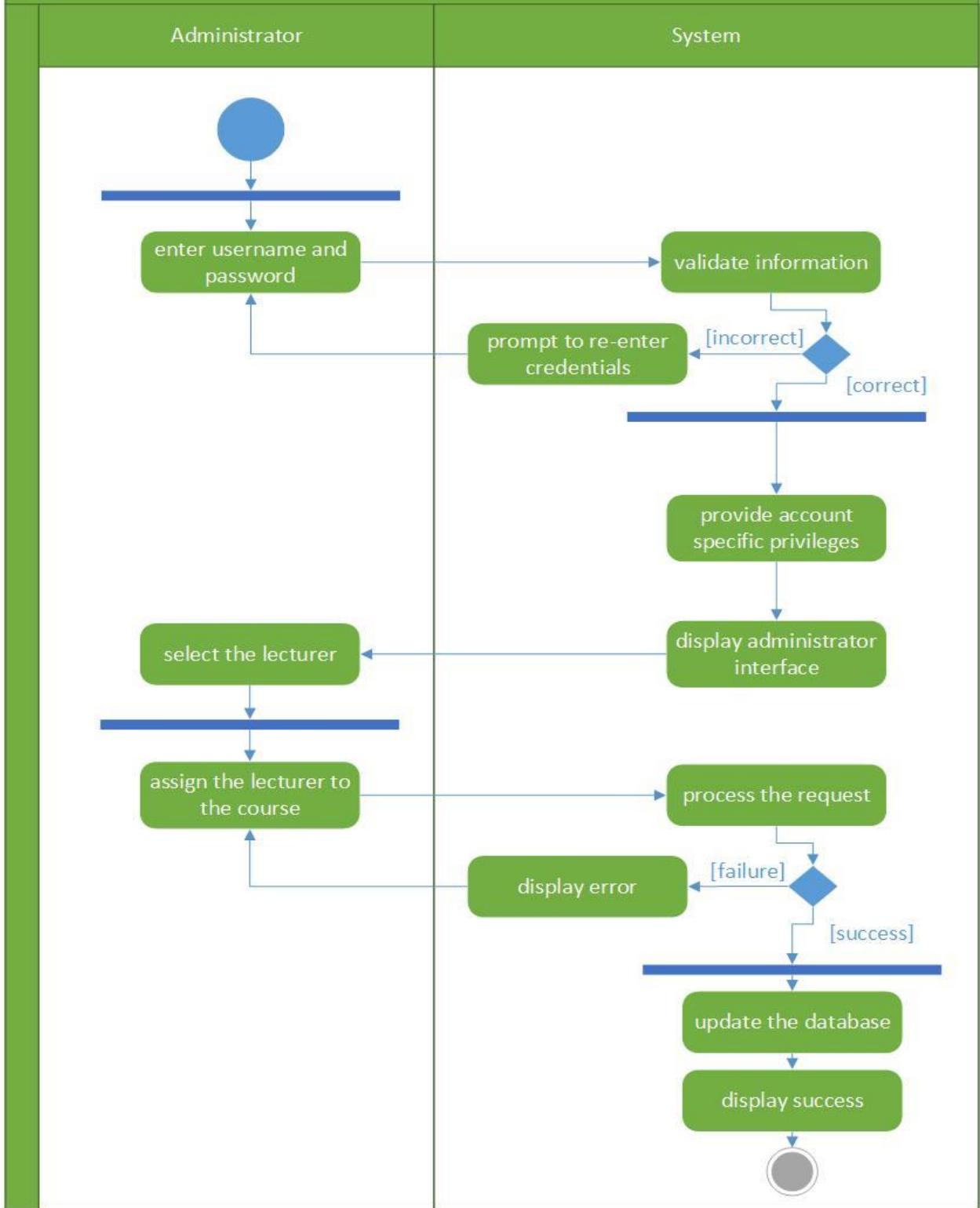


Figure 57 - Activity Diagram for Assigning a Lecturer to a Course – Administrator

Activity Diagram for Viewing Student Results - Administrator

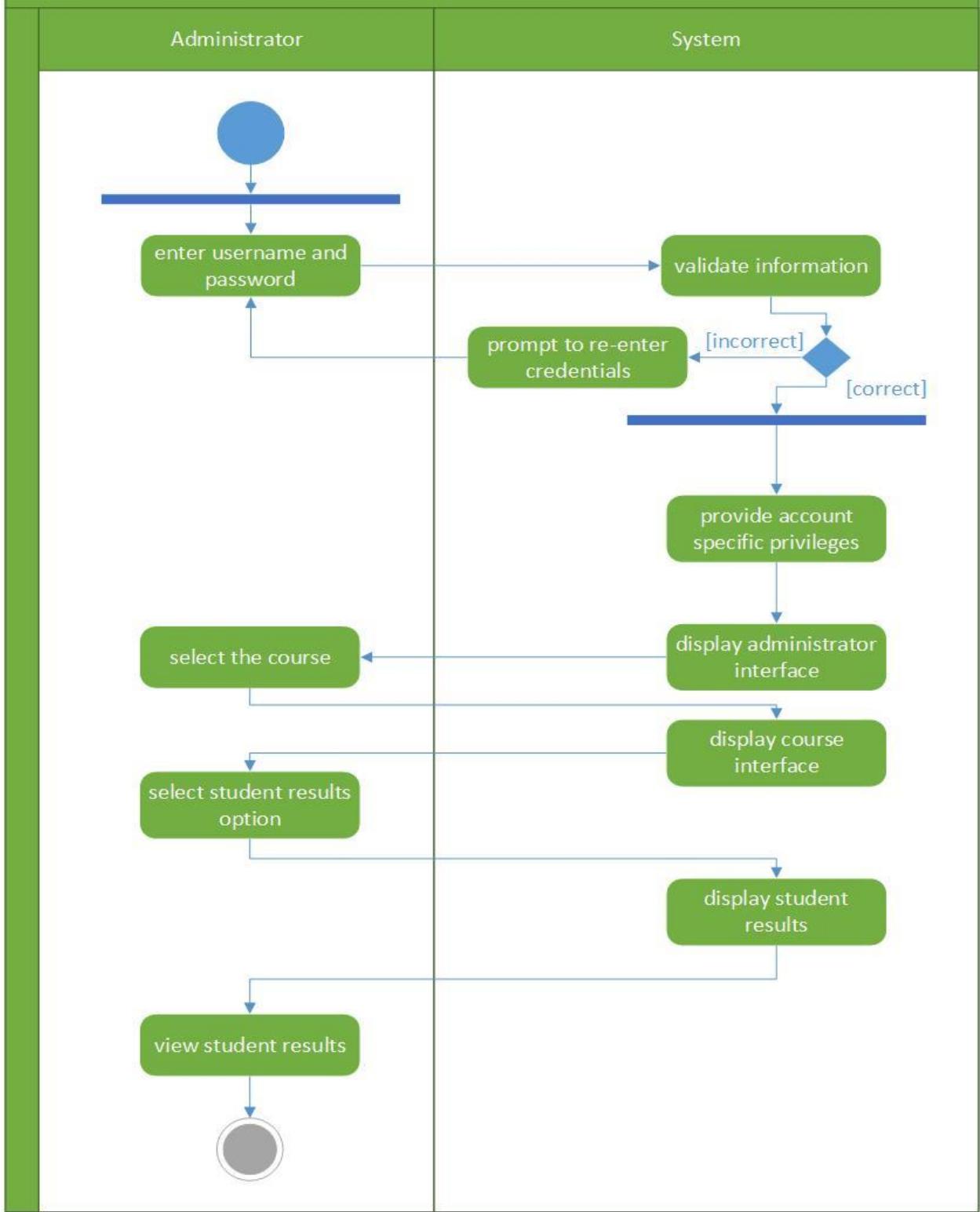


Figure 58 - Activity Diagram for Viewing Student Results – Administrator

Activity Diagram for Publishing Online Transcripts for Students - Administrator

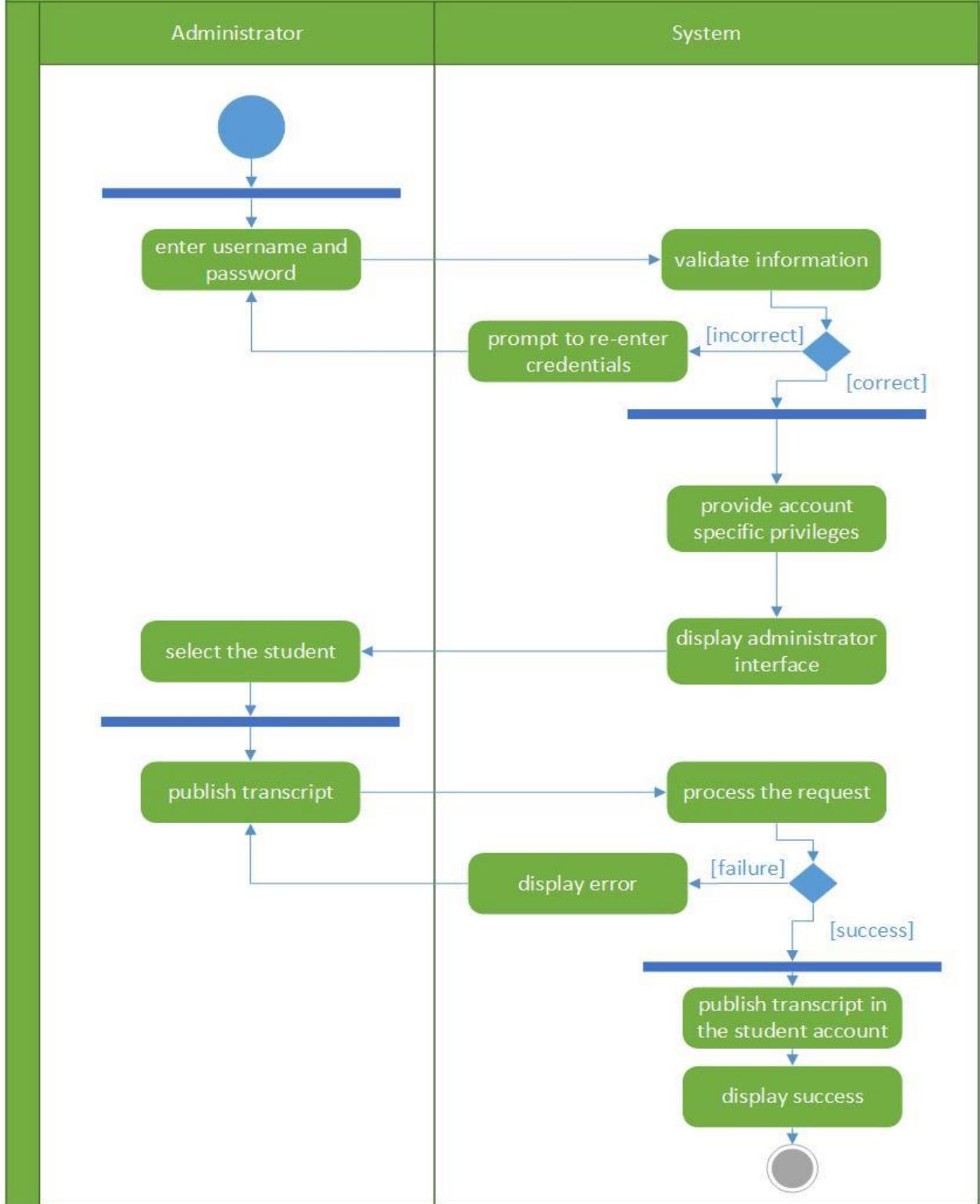


Figure 59 - Activity Diagram for Publishing Online Transcripts for Students – Administrator

Activity Diagram for Adding the Announcements - Administrator

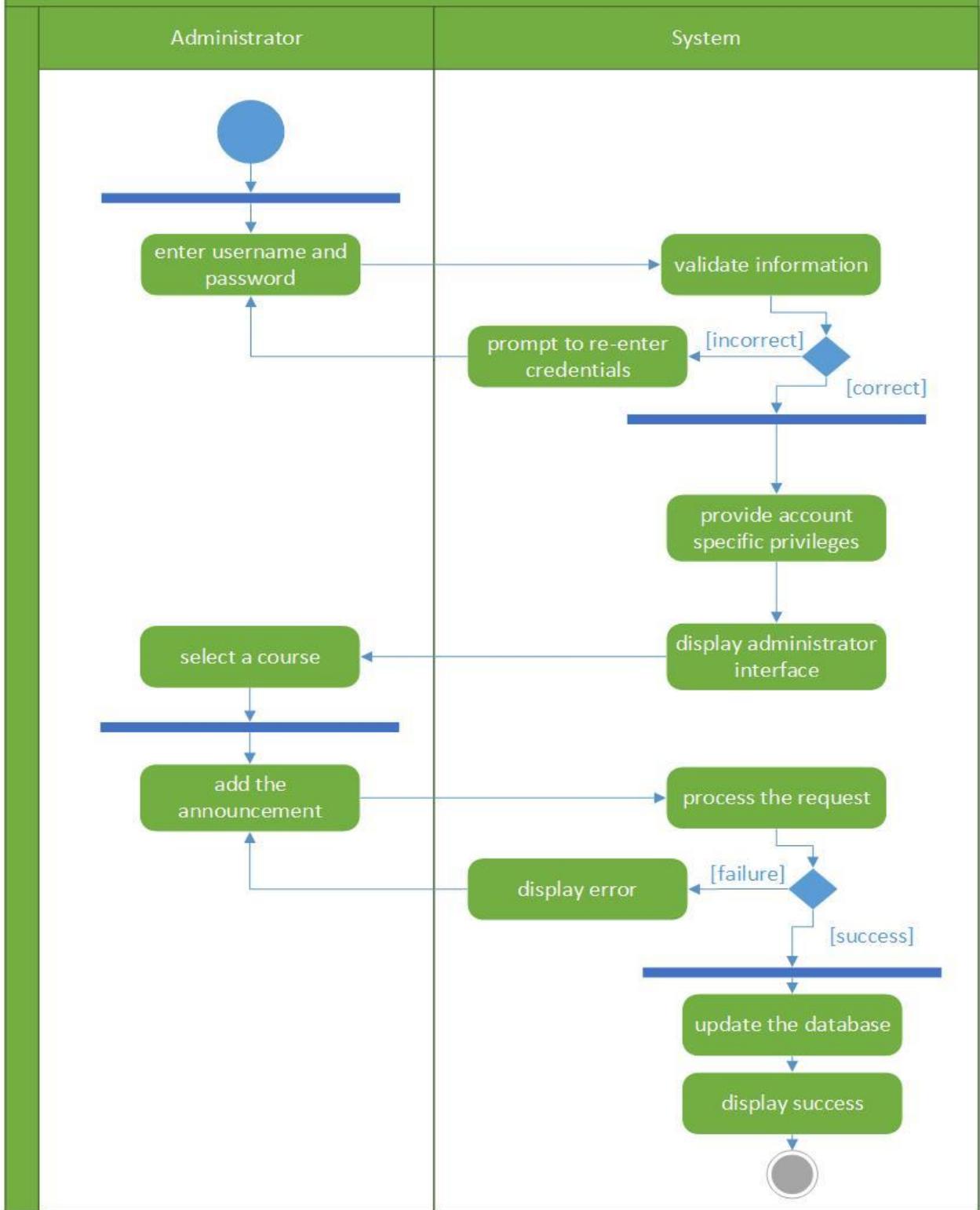


Figure 60 - Activity Diagram for Adding the Announcements – Administrator

Activity Diagram for Updating the Announcements - Administrator

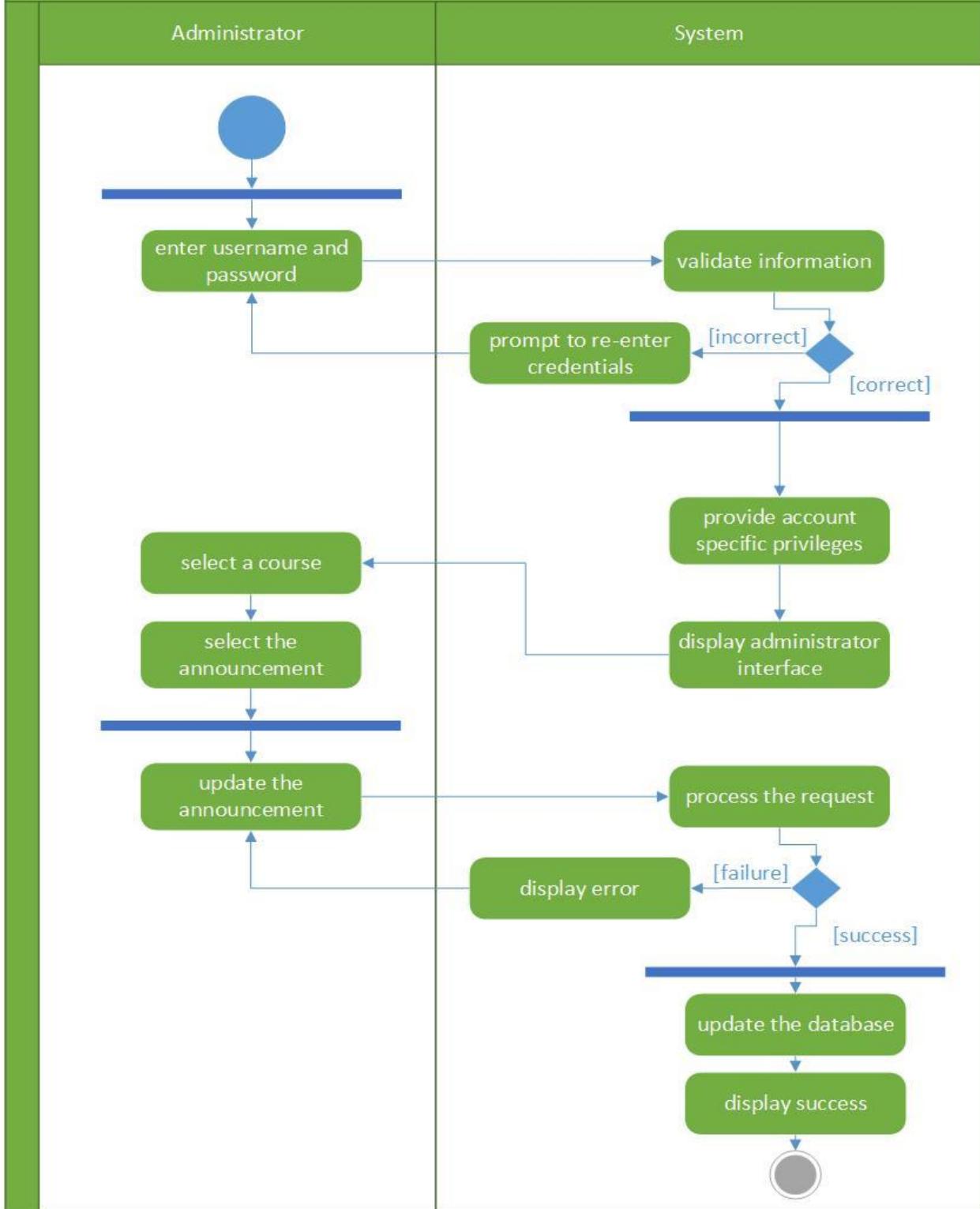


Figure 61 - Activity Diagram for Updating the Announcements – Administrator

Activity Diagram for Deleting the Announcements - Administrator

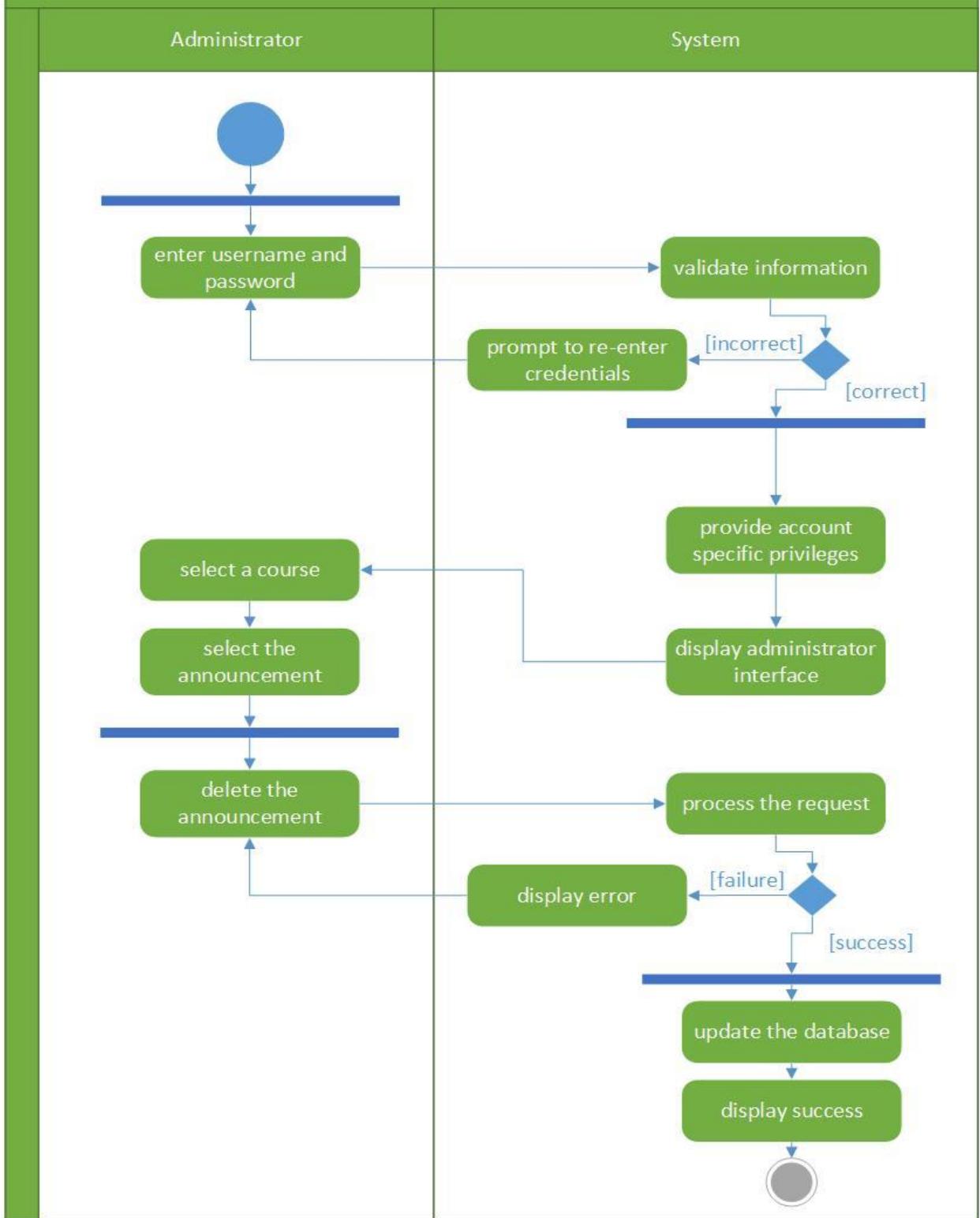


Figure 62 - Activity Diagram for Deleting the Announcements – Administrator

Activity Diagram for Viewing Course Statistics - Administrator

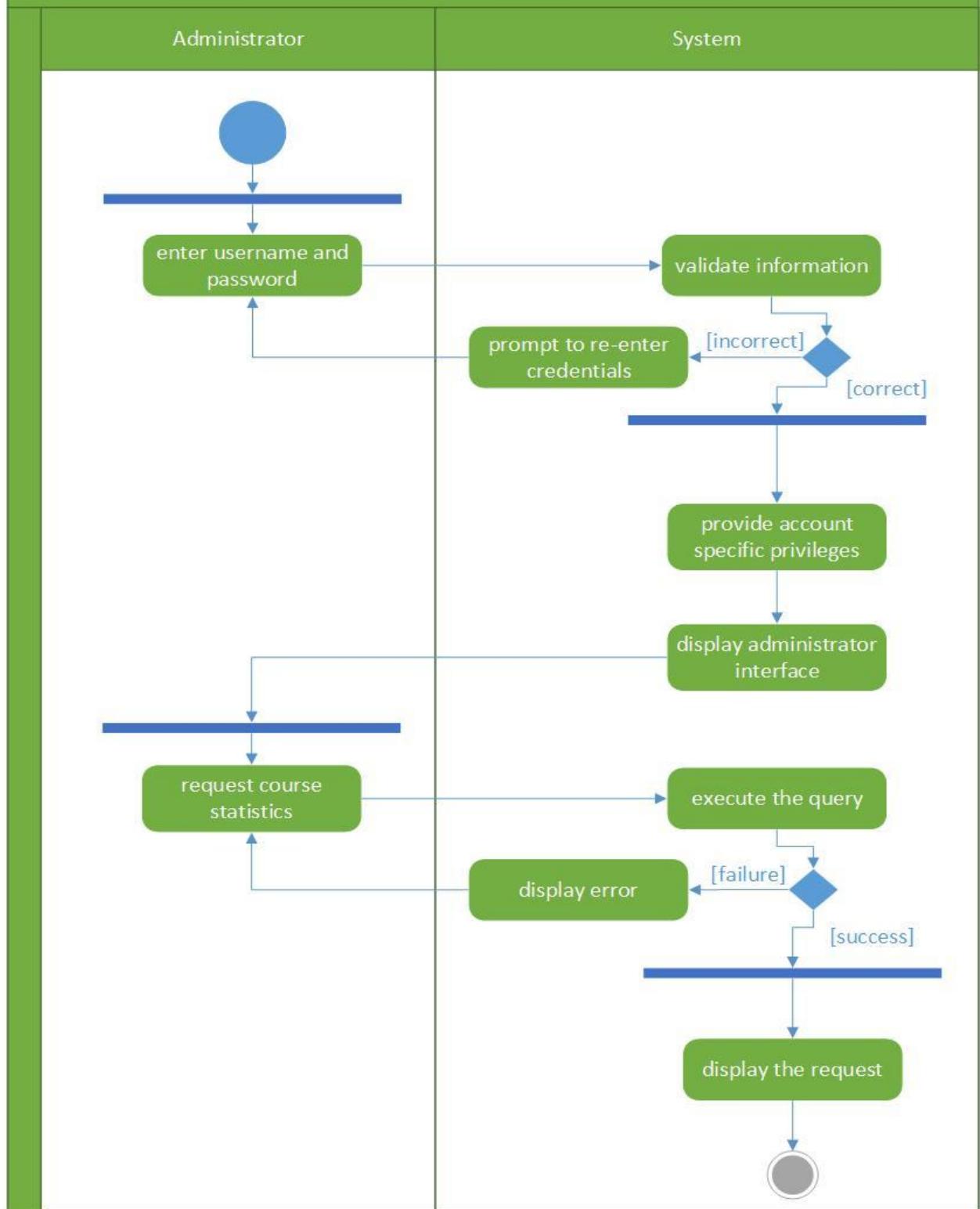


Figure 63 - Activity Diagram for Viewing Course Statistics – Administrator

Activity Diagram for Viewing Lecturer Statistics - Administrator

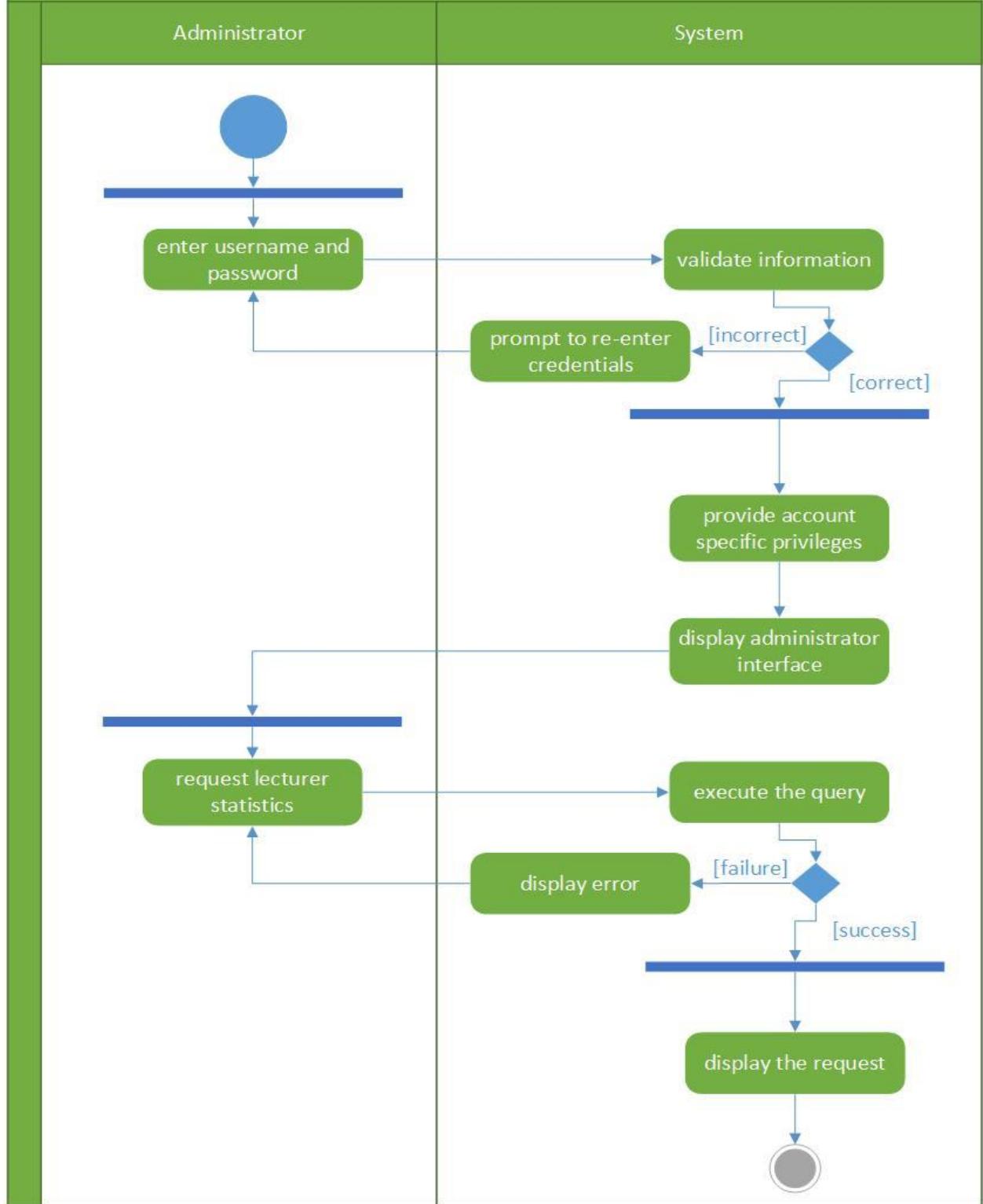


Figure 64 - Activity Diagram for Viewing Lecturer Statistics – Administrator

Activity Diagram for Viewing Student Statistics - Administrator

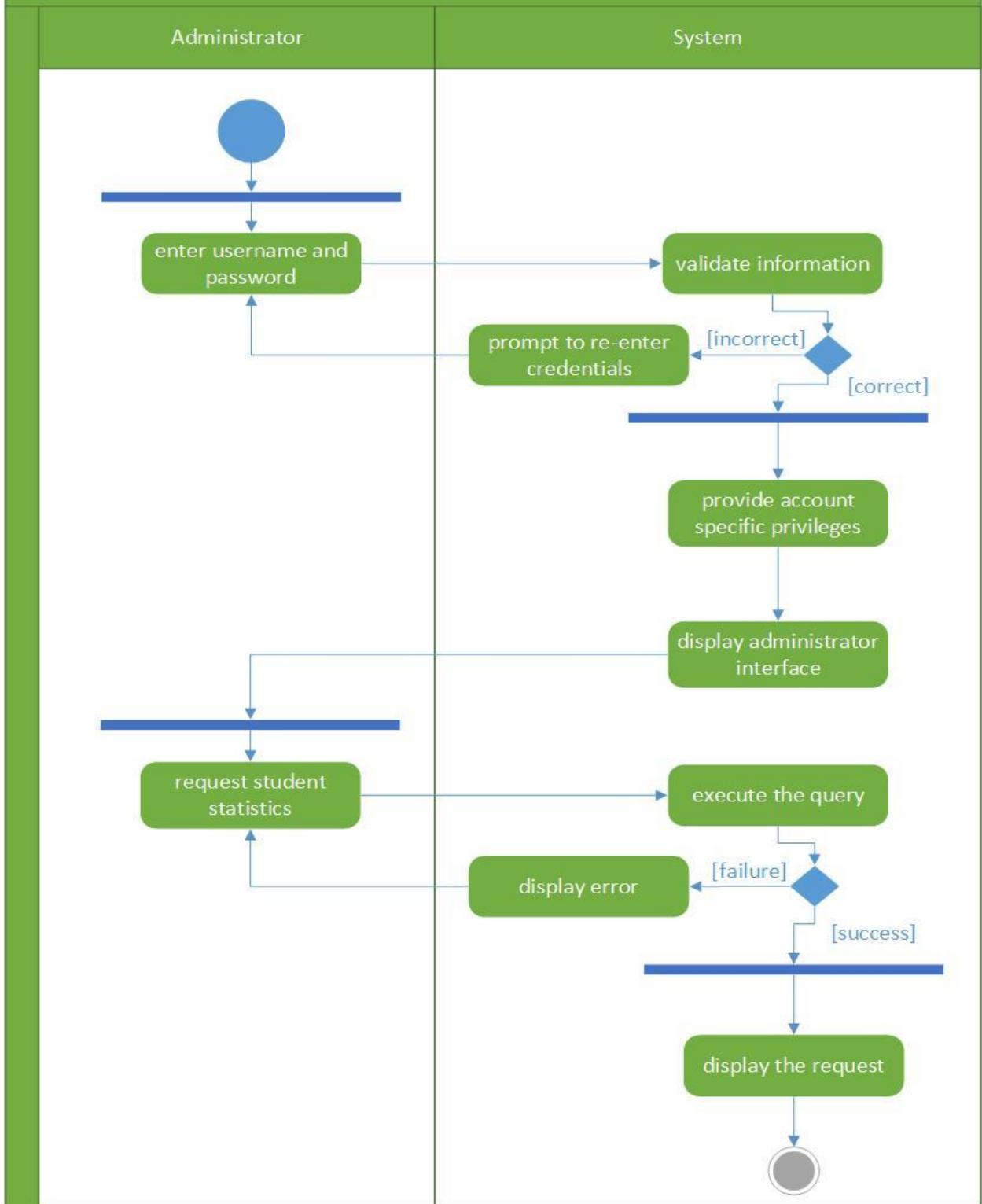


Figure 65 - Activity Diagram for Viewing Student Statistics – Administrator

Activity Diagram for Creating a Forum - Administrator

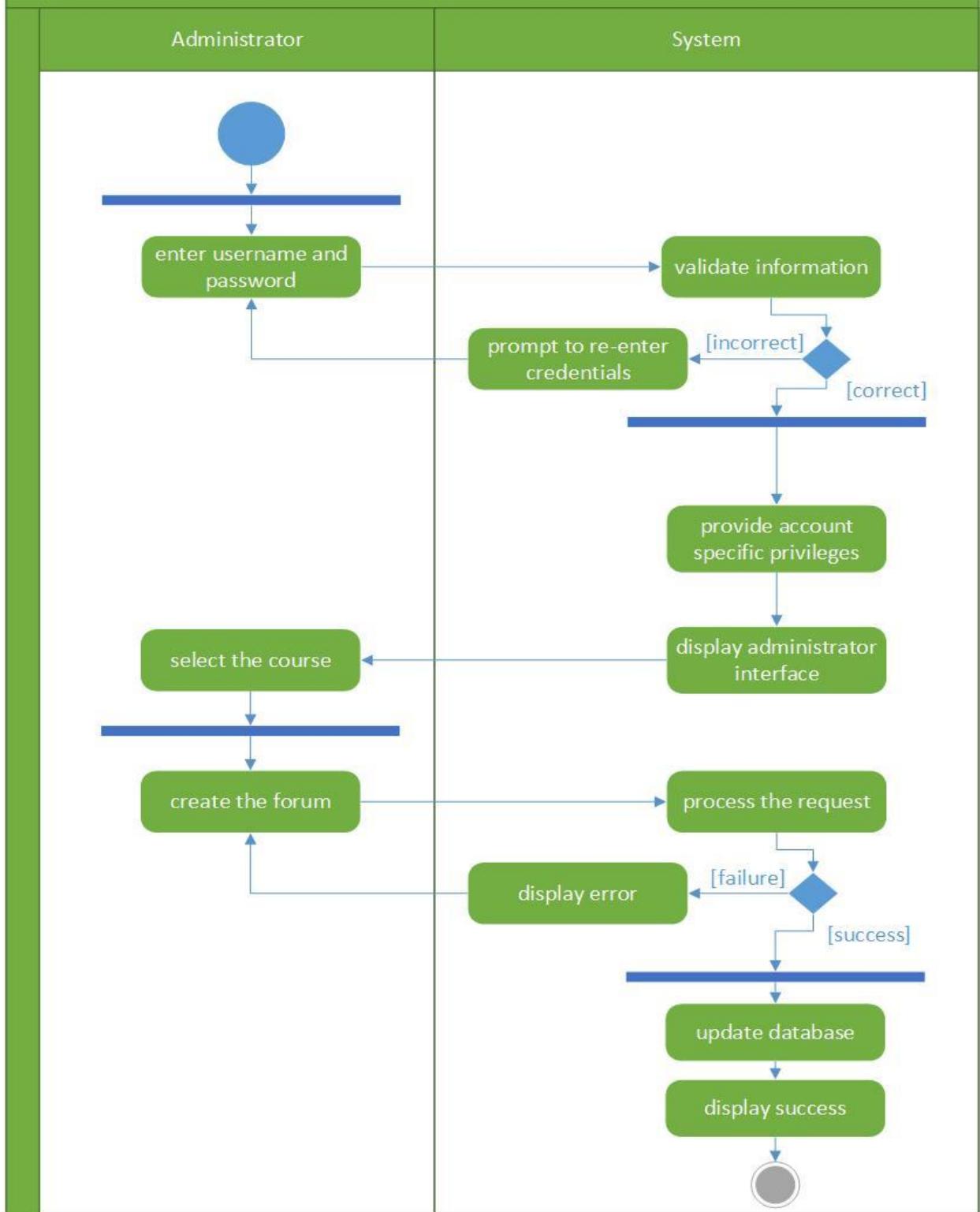


Figure 66 - Activity Diagram for Creating a Forum – Administrator

Activity Diagram for Modifying a Forum - Administrator

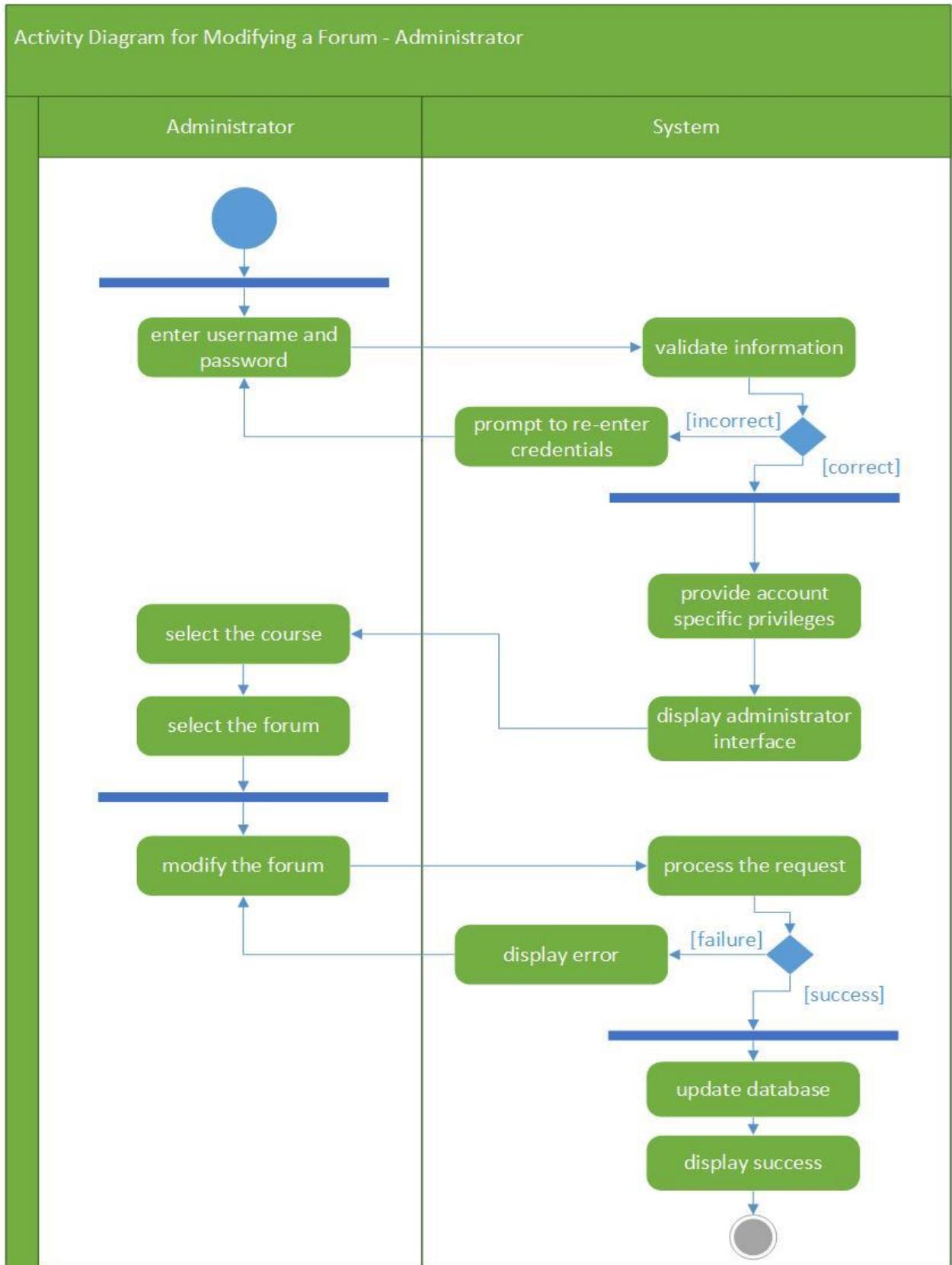


Figure 67 - Activity Diagram for Modifying a Forum – Administrator

Activity Diagram for Deleting the Forum - Administrator

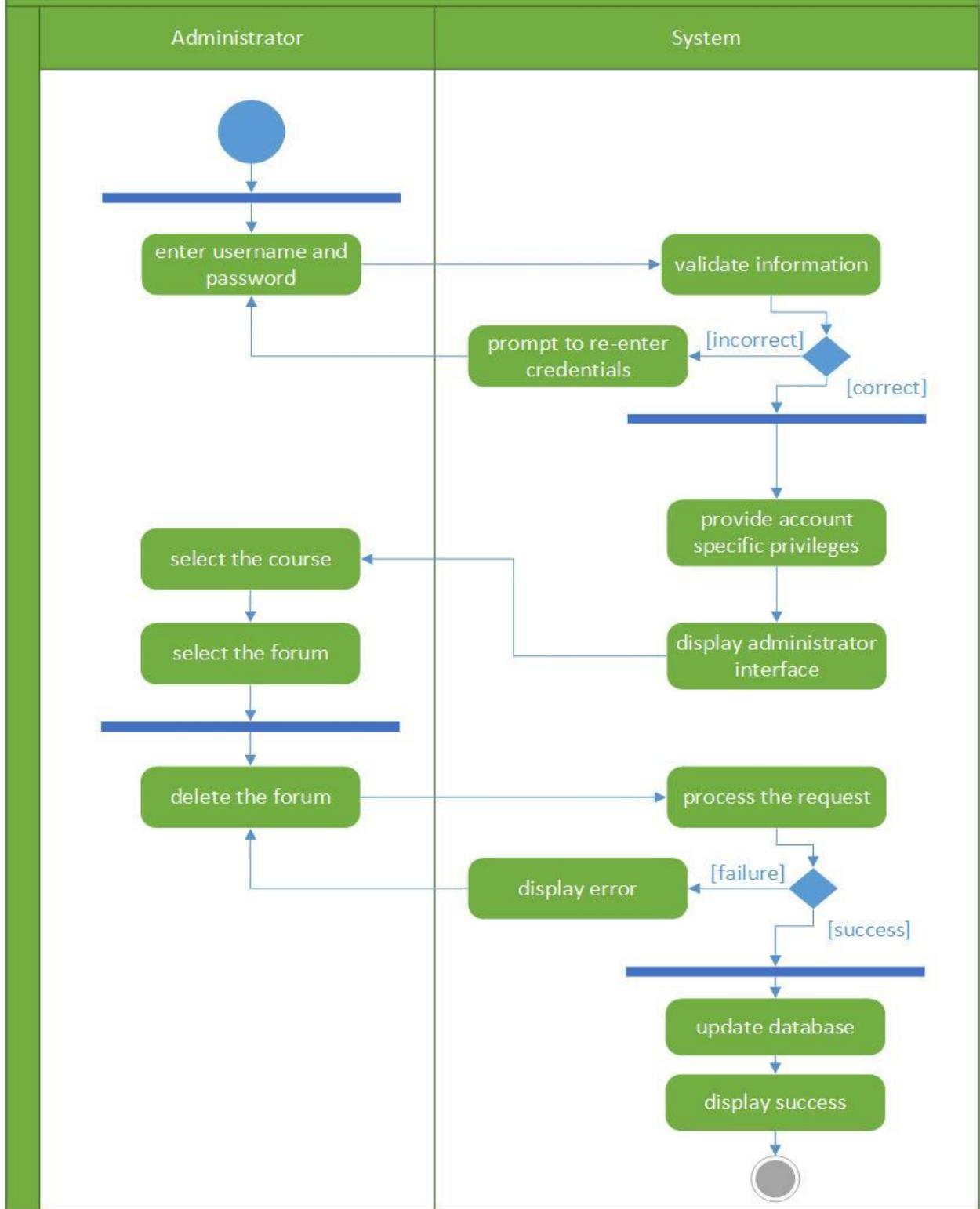


Figure 68 - Activity Diagram for Deleting the Forum – Administrator

Activity Diagram for Creating the Forum Thread - Administrator

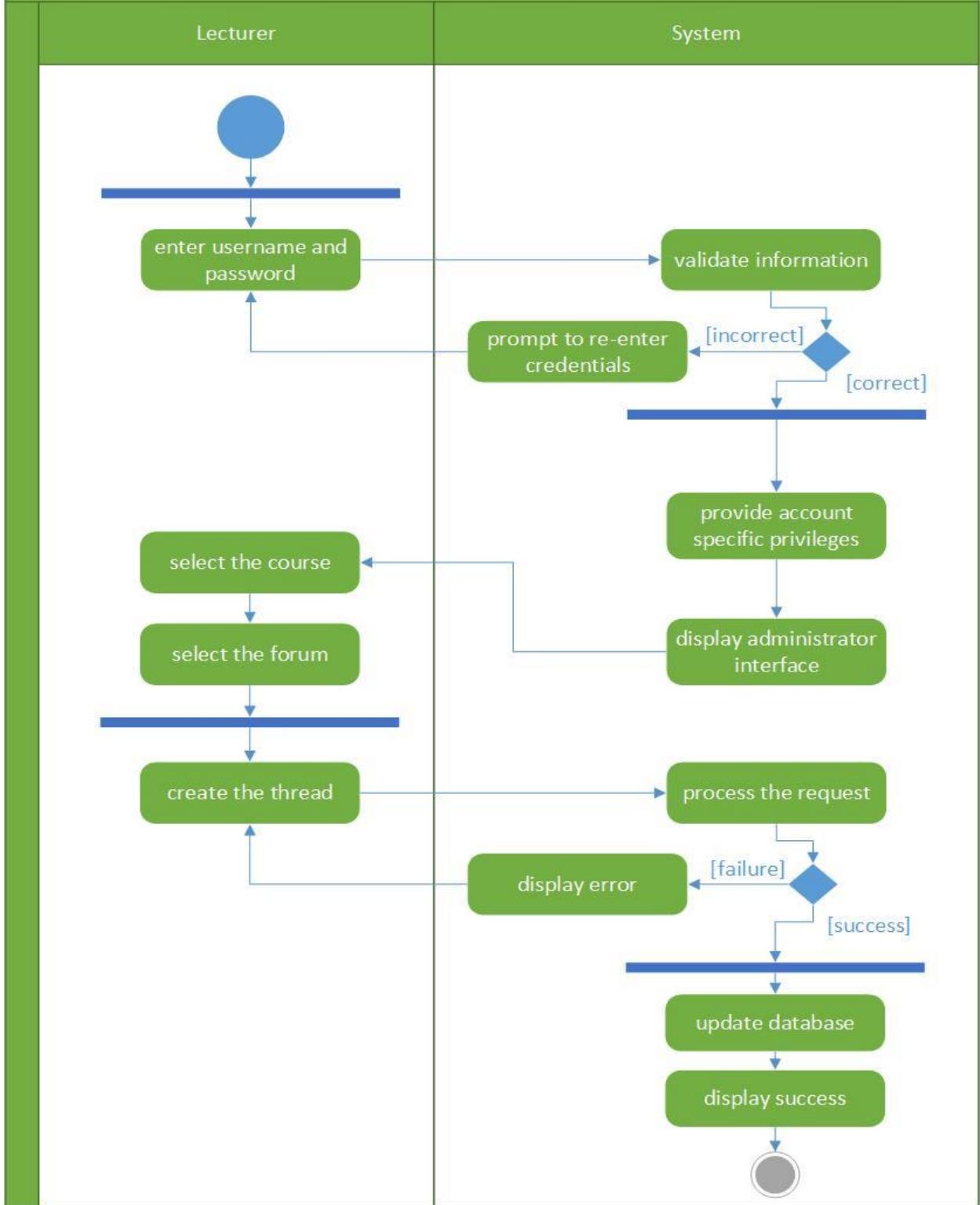


Figure 69 - Activity Diagram for Creating the Forum Thread – Administrator

Activity Diagram for Editing a Forum Thread - Administrator

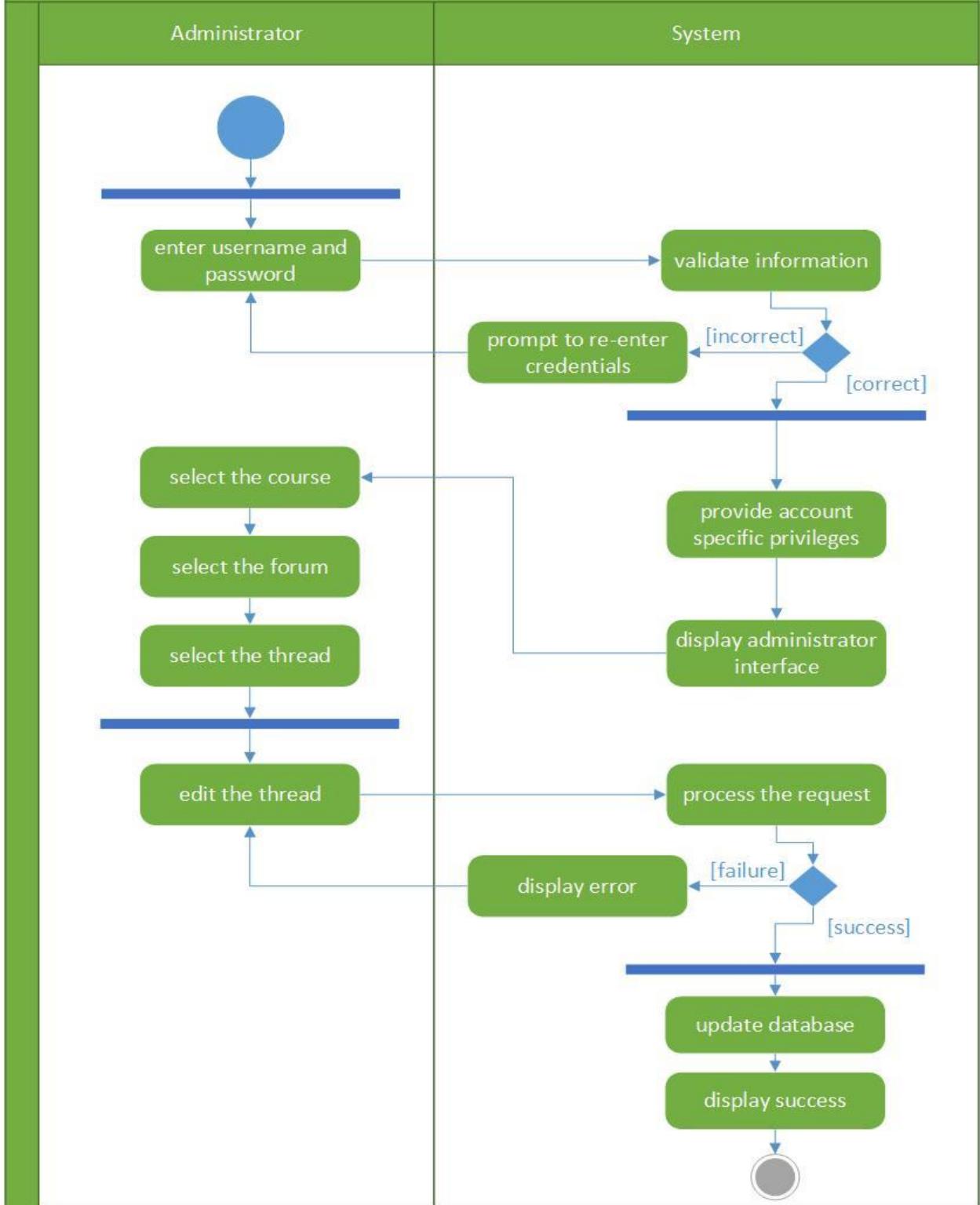


Figure 70 - Activity Diagram for Editing a Forum Thread – Administrator

Activity Diagram for Deleting a Forum Thread - Administrator

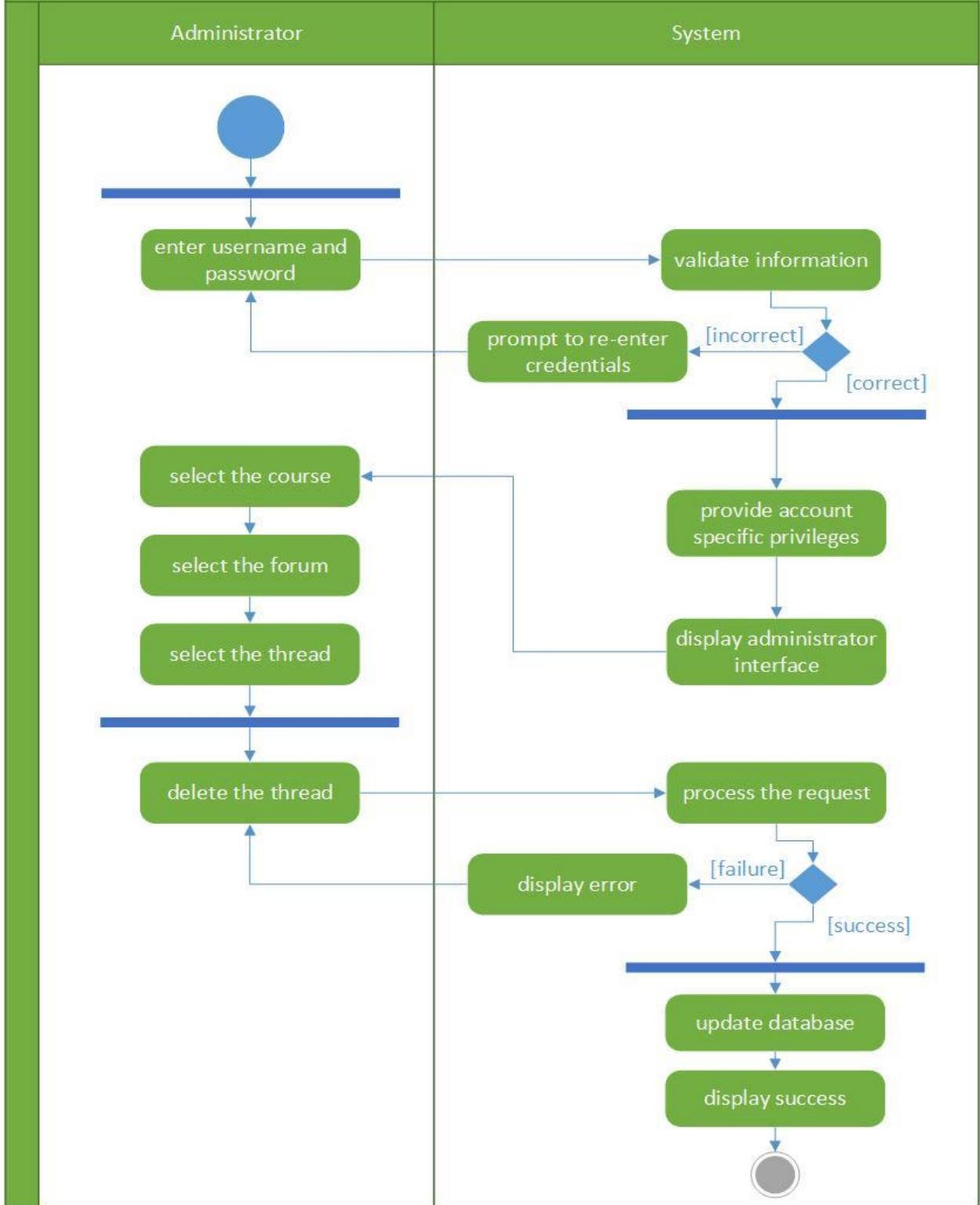


Figure 71 - Activity Diagram for Deleting a Forum Thread – Administrator

Activity Diagram for Creating a Forum Post - Administrator

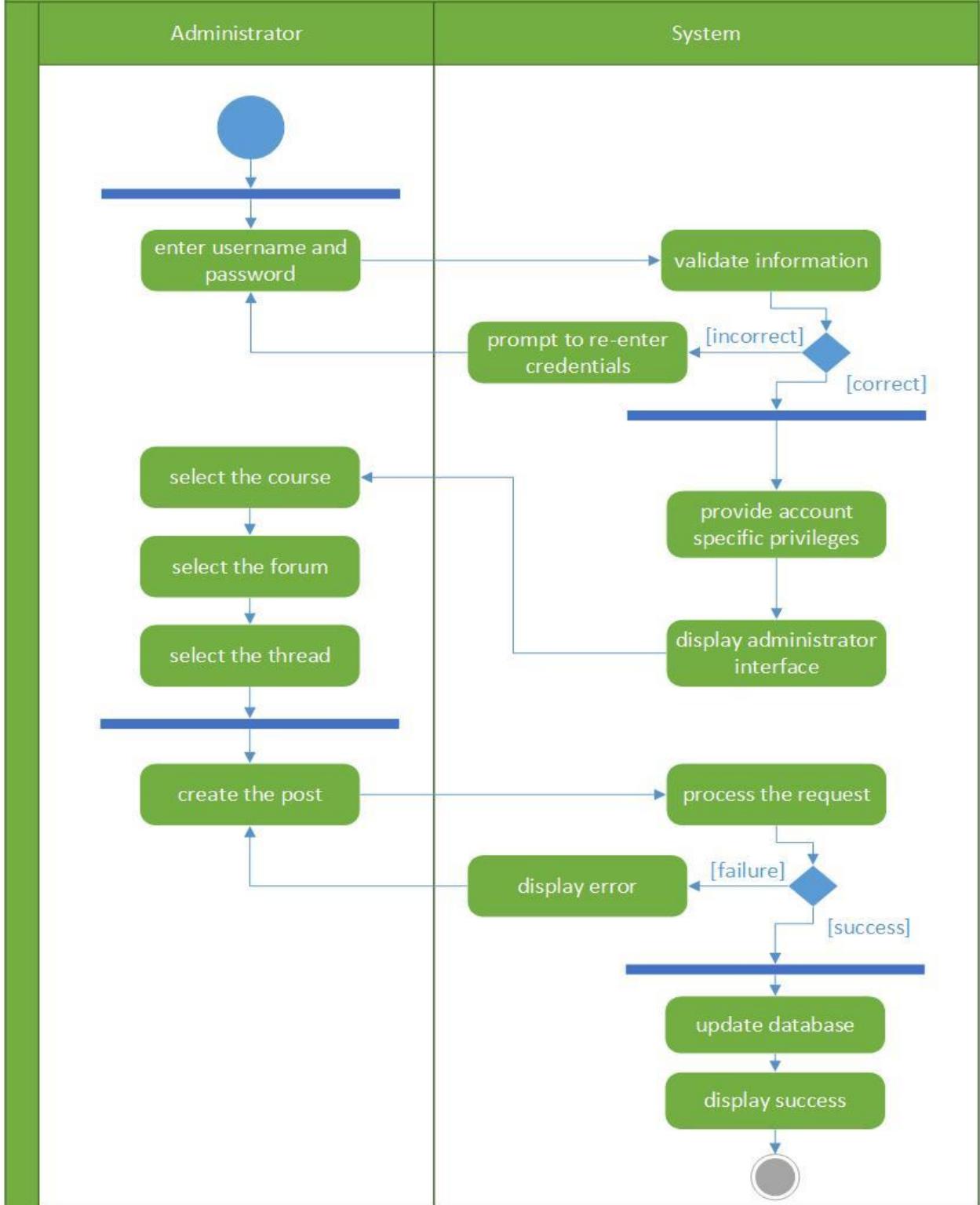


Figure 72 - Activity Diagram for Creating a Forum Post – Administrator

Activity Diagram for Editing a Forum Post – Administrator

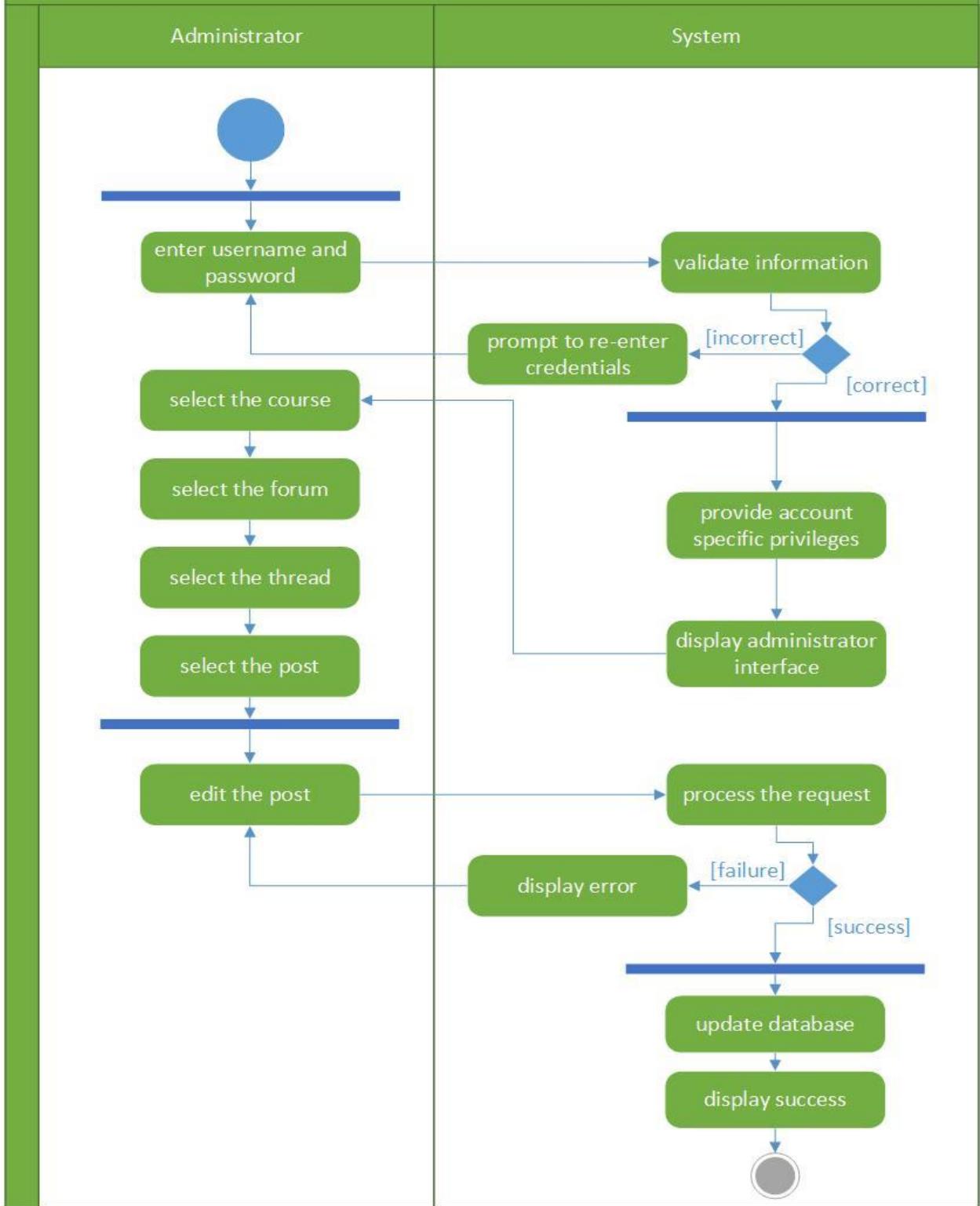


Figure 73 - Activity Diagram for Editing a Forum Post – Administrator

Activity Diagram for Deleting a Forum Post - Administrator

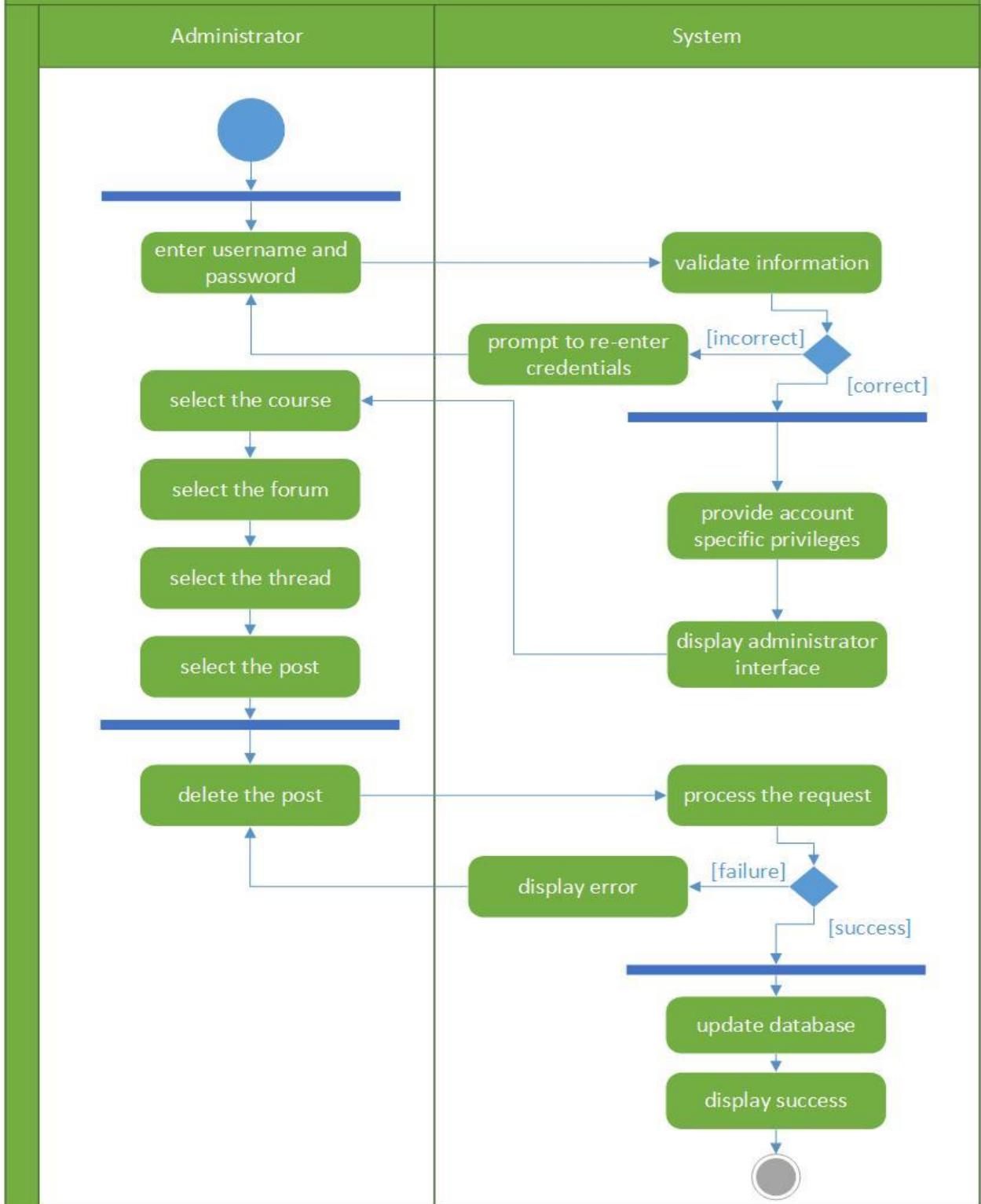


Figure 74 - Activity Diagram for Deleting a Forum Post - Administrator

## 5.7. Domain Class Diagram

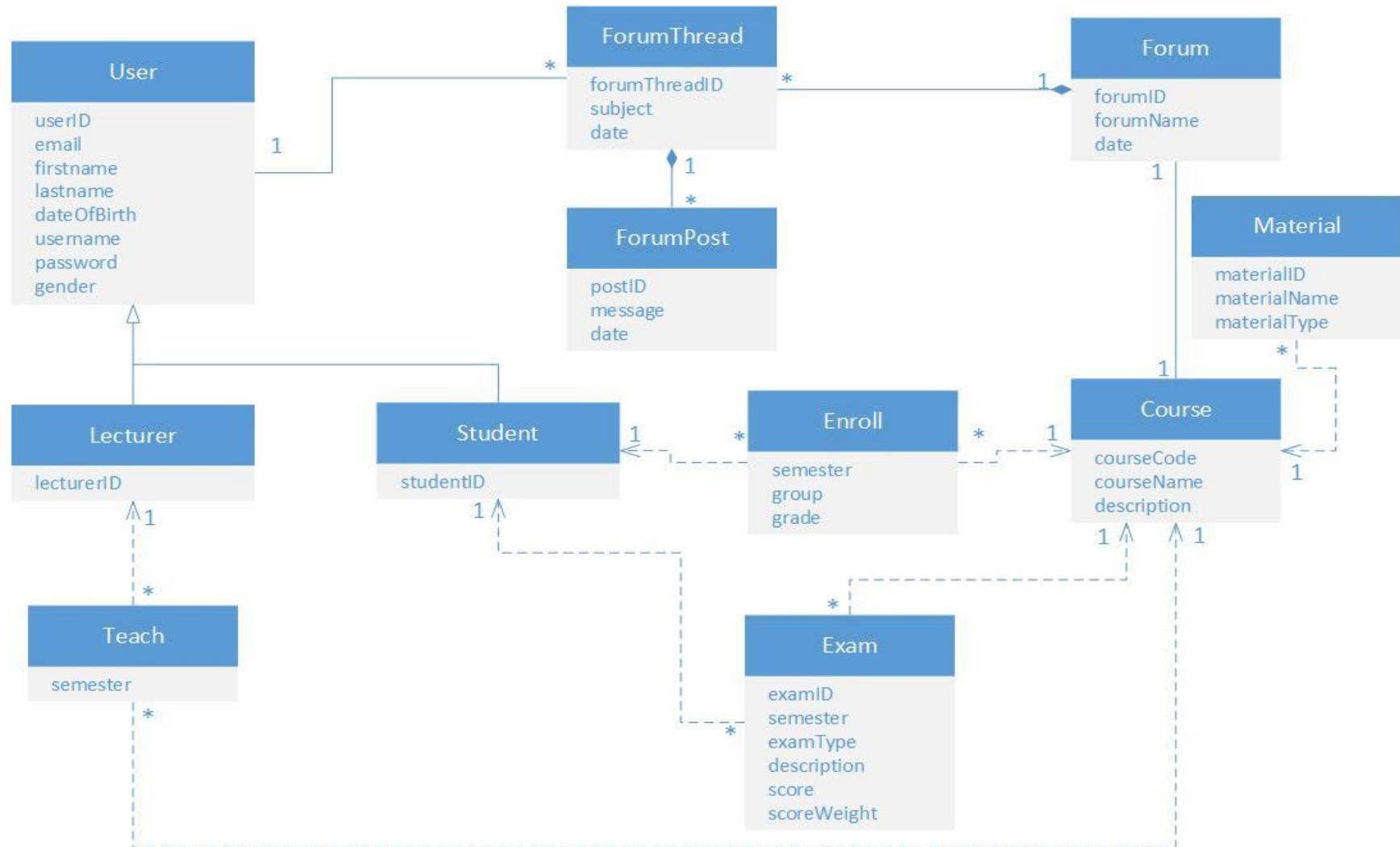


Figure 75 – Domain Class Diagram

## 6. Database Modeling

### 6.1 Entity-Relationship Diagram

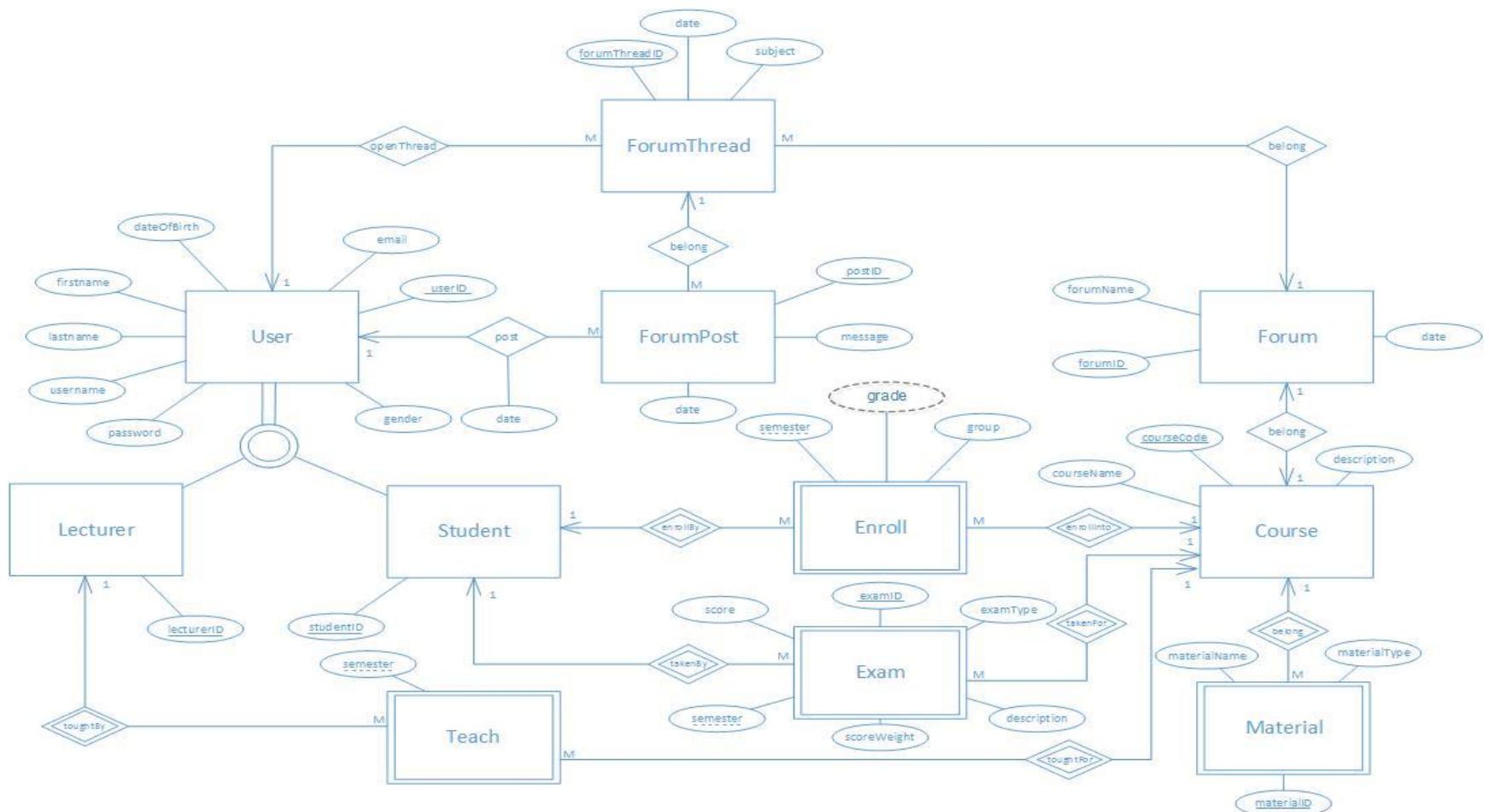


Figure 76 – Entity-Relationship Diagram

## 7. User-Interface Sketches

- Main Page

# Distance IT Education

[Log In !](#)

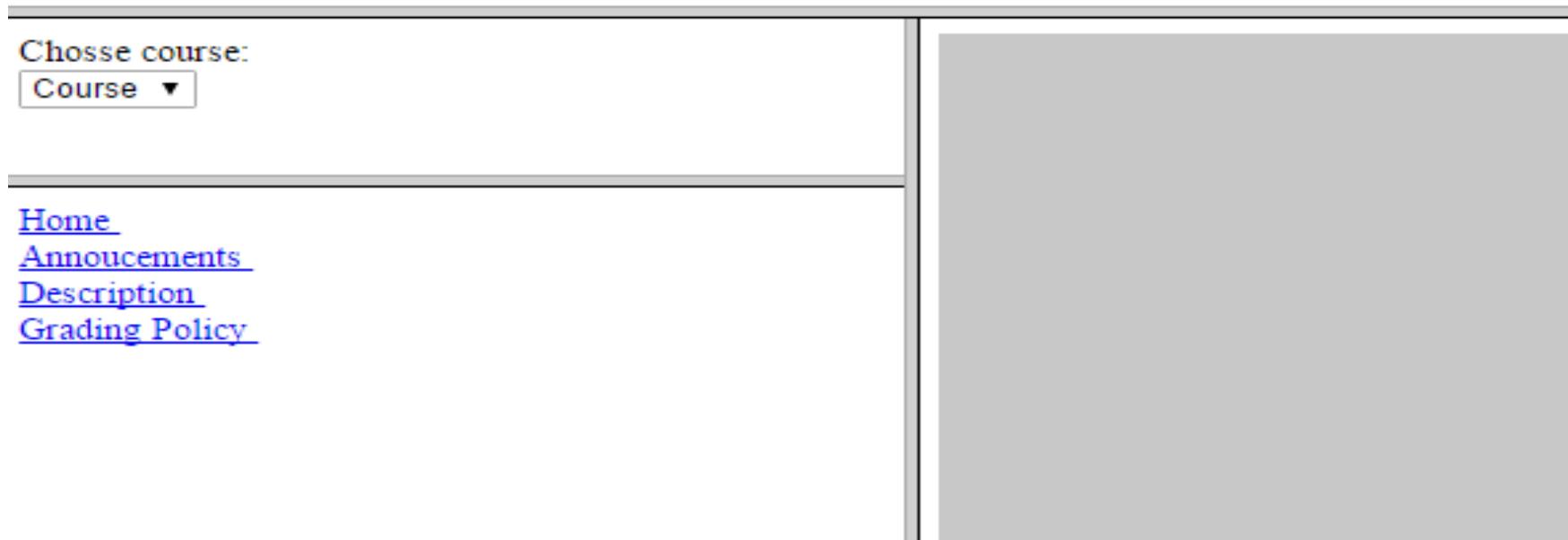


Figure 77 – GUI Prototype – Main Page

- Guest's View of the Home Page

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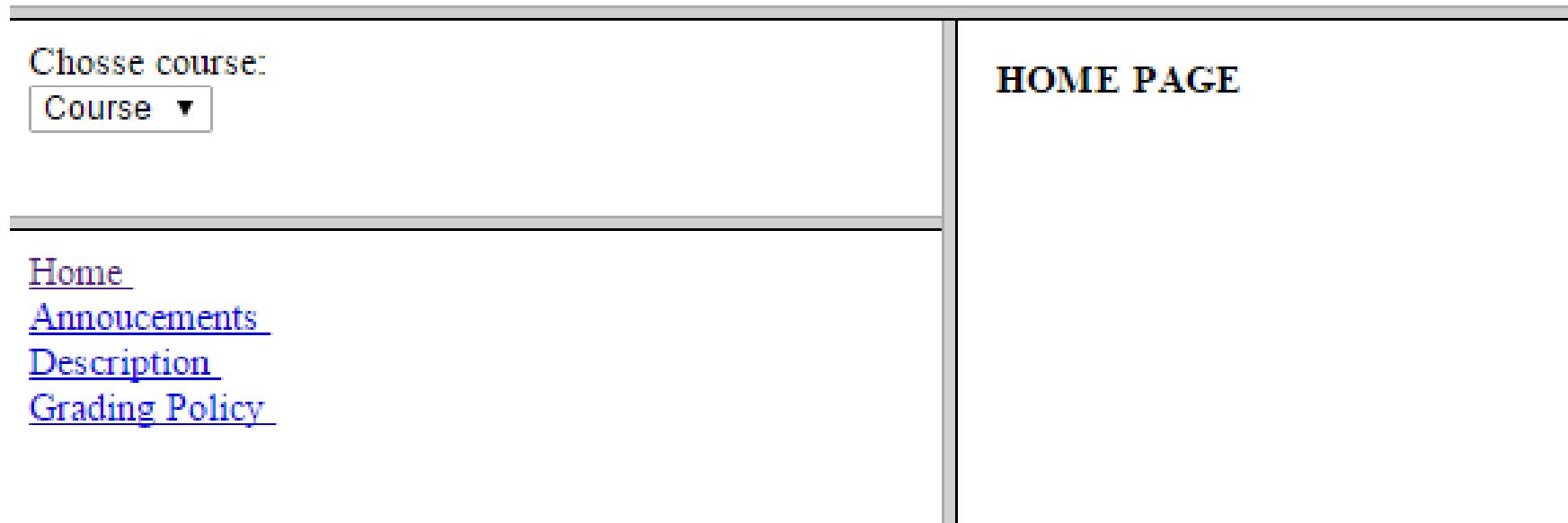


Figure 78 – GUI Prototype – Guest's View of the Home Page

- Guest's View of the Course Announcements Page

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The screenshot shows a user interface for a course management system. At the top left, there is a link to 'Log In !'. Below it, a section titled 'Chosse course:' contains a dropdown menu labeled 'Course ▼'. To the right, a section titled 'Announcement:' is currently empty. At the bottom left, there is a vertical sidebar with links: 'Home', 'Annoucements', 'Description', and 'Grading Policy'.

Figure 79 – GUI Prototype – Guest's View of the Course Announcements Page

- Guest's View of the Course Description Page

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The screenshot shows a user interface for a course management system. At the top left, there is a link to 'Log In !'. Below it, a section labeled 'Chosse course:' contains a dropdown menu with the option 'Course ▼'. To the right of this, a section labeled 'Description:' is visible. At the bottom left, there is a vertical sidebar containing links: 'Home', 'Annoucements', 'Description', and 'Grading Policy'.

Figure 80 – GUI Prototype – Guest's View of the Course Description Page

- Guest's View of the Course Grading Policy Page

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The screenshot shows a user interface for a course management system. On the left, there is a sidebar with navigation links: Home, Annoucements, Description, and Grading Policy. The main content area has two sections: 'Chosse course:' with a dropdown menu labeled 'Course ▾' and 'Grading Policy:'.

Figure 81 – GUI Prototype – Guest's View of the Course Grading Policy Page

- Login Page

Username:

Password:

**LOG IN**

Figure 82 – GUI Prototype – Login Page

- Administrator's Home Page

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[Log out !](#)

---

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[Courses](#)  
[Lecturers](#)  
[Students](#)  
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**HOME PAGE**

Figure 83 – GUI Prototype – Administrator's Home Page

- Administrator's Page for Adding, Deleting, Updating Courses and Assigning Lecturers to Courses

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[Log out !](#)

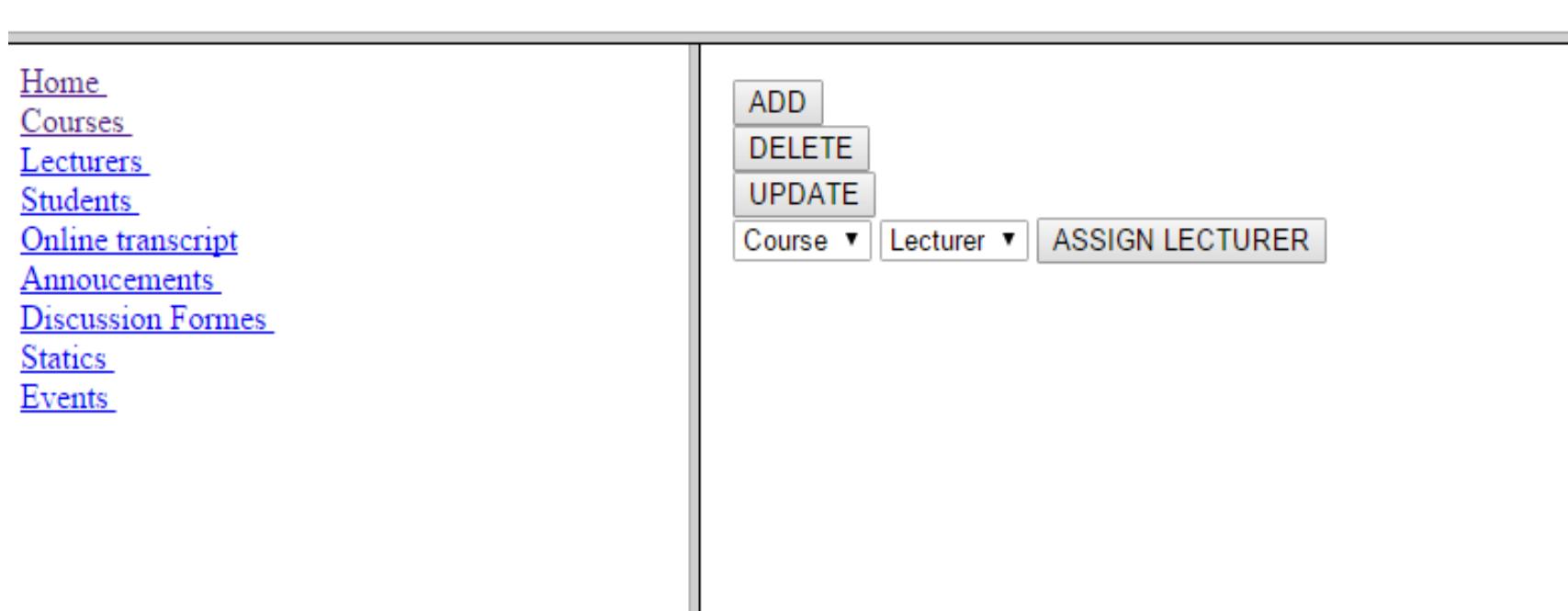


Figure 84 – GUI Prototype – Administrator's Page for Adding, Deleting, Updating Courses and Assigning Lecturers to Courses

- Administrator's Page for Adding, Deleting, and Updating Lecturers

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---

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[Students](#)  
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[Discussion Formes](#)  
[Statics](#)  
[Events](#)

[ADD](#)  
[DELETE](#)  
[UPDATE](#)

Figure 85 – GUI Prototype – Administrator's Page for Adding, Deleting, and Updating Lecturers

- Administrator's Page for Adding, Deleting, and Updating Students

# Distance IT Education

[Log out !](#)

---

[Home](#)  
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[Lecturers](#)  
[Students](#)  
[Online transcript](#)  
[Annoucements](#)  
[Discussion Formes](#)  
[Statics](#)  
[Events](#)

[ADD](#)  
[DELETE](#)  
[UPDATE](#)  
[Results](#)

Figure 86 – GUI Prototype – Administrator's Page for Adding, Deleting, and Updating Students

- Administrator's Page for Viewing Student Results

# Distance IT Education

[Log out !](#)

---

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[Lecturers](#)  
[Students](#)  
[Online transcript](#)  
[Annoucements](#)  
[Discussion Formes](#)  
[Statics](#)  
[Events](#)

**Results :**

Figure 87 – GUI Prototype – Administrator's Page for Viewing Student Results

- Administrator's Page for Publishing Student Transcripts

# Distance IT Education

[Log out !](#)

---

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[Courses](#)  
[Lecturers](#)  
[Students](#)  
[Online transcript](#)  
[Annoucements](#)  
[Discussion Formes](#)  
[Statics](#)  
[Events](#)

Figure 88 – GUI Prototype – Administrator's Page for Publishing Student Transcripts

- Administrator's Page for Adding, Deleting, and Updating Announcements

# Distance IT Education

[Log out !](#)

---

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[Courses](#)  
[Lecturers](#)  
[Students](#)  
[Online transcript](#)  
[Annoucements](#)  
[Discussion Formes](#)  
[Statics](#)  
[Events](#)

**Announcement:**

[\*\*ADD\*\*](#)

[\*\*DELETE\*\*](#)

[\*\*UPDATE\*\*](#)

Figure 89 – GUI Prototype – Administrator's Page for Adding, Deleting, and Updating Announcements

- Administrator's Page for Creating, Deleting, Modifying, and Participating in the Discussion Forums

# Distance IT Education

[Log out !](#)

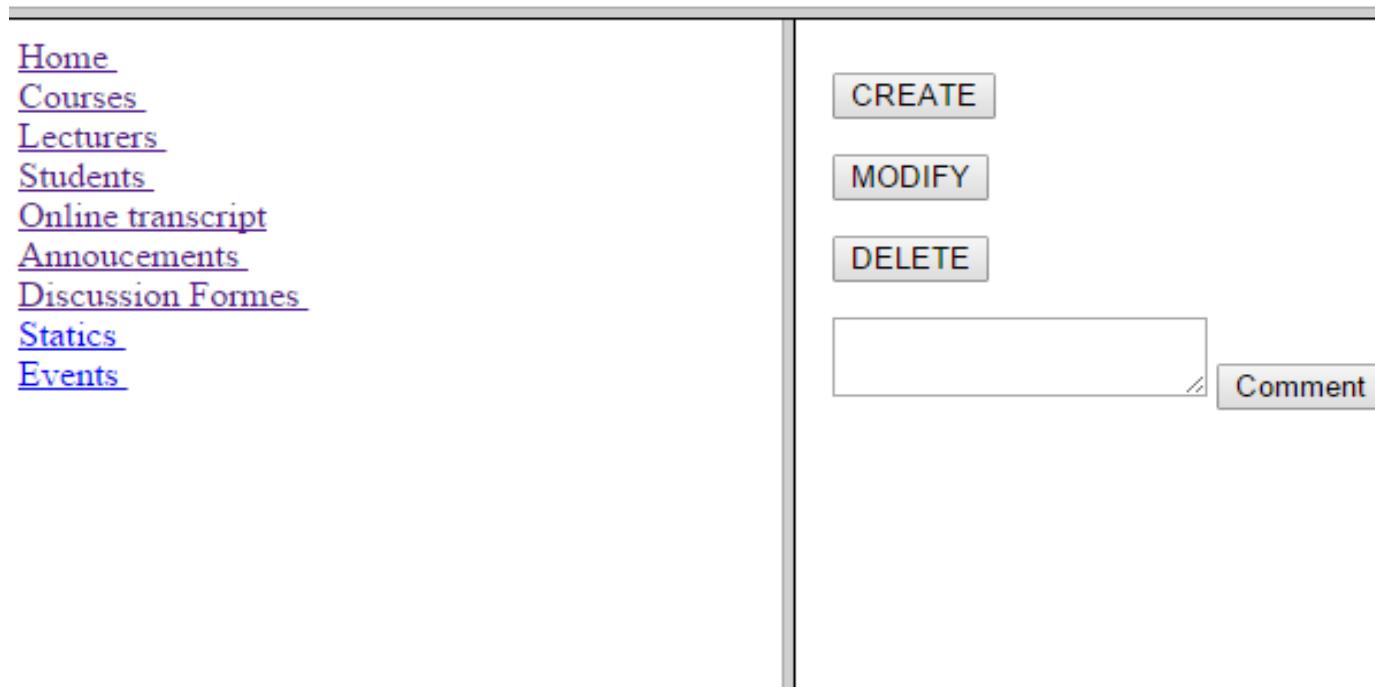


Figure 90 – GUI Prototype – Administrator's Page for Creating, Deleting, Modifying, and Participating in the Discussion Forums

- Administrator's Page for Viewing Website Statistics

# Distance IT Education

[Log out !](#)

---

[Home](#)  
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[Events](#)

Figure 91 – GUI Prototype – Administrator's Page for Viewing Website Statistics

- Administrator's Page for Viewing Website Events

# Distance IT Education

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---

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[Students](#)  
[Online transcript](#)  
[Annoucements](#)  
[Discussion Formes](#)  
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[Events](#)

**Events:**

Figure 92 – GUI Prototype – Administrator's Page for Viewing Website Events

- Lecturer's Home Page

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[Personel infomation](#)

[Time Table](#)

Chosse course:

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[Students](#)

[Annoucements](#)

[Description](#)

[Grading Policy](#)

[Lecture Notes](#)

[Exams & Quizes](#)

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Figure 93 – GUI Prototype – Lecturer's Home Page

- Lecturer's Personal Information Page

ID number	Name	Surname	Phone number	Address	Email
<b>Edit</b>					

Figure 94 – GUI Prototype – Lecturer's Personal Information Page

- Lecturer's Personal Information Edit Page

Phone Number

Email

Address

**Submit**

Figure 95– GUI Prototype – Lecturer's Personal Information Edit Page

- Lecturer's Time Table Page

	Monday	Tuesday	Wednesday	Thursday	Friday
08:30					
10:30					
12:30					
14:30					
16:30					

Figure 96 – GUI Prototype – Lecturer's Time Table Page

- Lecturer's Page for Viewing the Lists of Students for the Assigned Courses

# Distance IT Education

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Chosse course:

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[Students](#)

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[Description](#)

[Grading Policy](#)

[Lecture Notes](#)

[Exams & Quizes](#)

[Discussion Formes](#)

[Events](#)

## List of students:

Student Number	Student Name	Student Surname
----------------	--------------	-----------------

Figure 97 – GUI Prototype – Lecturer's Page for Viewing the Lists of Students for the Assigned Courses

- Lecturer's Page for Adding, Deleting, and Updating Announcements for the Assigned Courses

# Distance IT Education

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Chosse course:

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[Students](#)

[Annoucements](#)

[Description](#)

[Grading Policy](#)

[Lecture Notes](#)

[Exams & Quizes](#)

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[Events](#)

**Announcement:**

Figure 98 – GUI Prototype – Lecturer's Page for Adding, Deleting, and Updating Announcements for the Assigned Courses

- Lecturer's Page for Adding, Deleting, and Updating Descriptions for the Assigned Courses

# Distance IT Education

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Chosse course:

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[Students](#)

[Annoucements](#)

[Description](#)

[Grading Policy](#)

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[Events](#)

**Description:**

Figure 99 – GUI Prototype – Lecturer's Page for Adding, Deleting, and Updating Descriptions for the Assigned Courses

- Lecturer's Page for Adding, Deleting, and Updating Grading Policy for the Assigned Courses

# Distance IT Education

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Chosse course:

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[Events](#)

Grading Policy:

Figure 100 – GUI Prototype – Lecturer's Page for Adding, Deleting, and Updating Grading Policy for the Assigned Courses

- Lecturer's Page for Adding, Deleting, and Updating Lecture Notes for the Assigned Courses

# Distance IT Education

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Figure 101 – GUI Prototype – Lecturer's Page for Adding, Deleting, and Updating Lecture Notes for the Assigned Courses

- Lecturer's Page for Adding, Deleting, and Updating Quizzes and Exams for the Assigned Courses

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Figure 102 – GUI Prototype – Lecturer's Page for Adding, Deleting, and Updating Quizzes and Exams for the Assigned Courses

- Lecturer's Page for Creating, Deleting, Modifying, and Participating in the Discussion Forums

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Figure 103 – GUI Prototype – Lecturer's Page for Creating, Modifying, Deleting, and Participating in the Discussion Forums

- Lecturer's Page for Viewing Events for the Assigned Courses

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Figure 104 – GUI Prototype – Lecturer's Page for Viewing Events for the Assigned Courses

- Student's Home Page

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Figure 105 – GUI Prototype – Student's Home Page

- Student's Personal Information Page

ID number	Name	Surname	Phone number	Address	Email
<b>Edit</b>					

Figure 106 – GUI Prototype – Student's Personal Information Page

- Student's Page for Editing Personal Information

Phone Number

Email

Address

Submit

Figure 107 – GUI Prototype – Student's Page for Editing Personal Information

- Student's Time Table Page

	Monday	Tuesday	Wednesday	Thursday	Friday
08:30					
10:30					
12:30					
14:30					
16:30					

Figure 108 – GUI Prototype – Student's Time Table Page

- Student's Page for Viewing Announcements for the Registered Courses

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Figure 109 – GUI Prototype – Student's Page for Viewing Announcements for the Registered Courses

- Student's Page for Viewing Course Descriptions

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Figure 110 – GUI Prototype – Student's Page for Viewing Course Descriptions

- Student's Page for Viewing Course Grading Policy

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Figure 111 – GUI Prototype – Student's Page for Viewing Course Grading Policy

- Student's Page for Viewing Lecture Notes for the Registered Courses

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Figure 112 – GUI Prototype – Student's Page for Viewing Lecture Notes for the Registered Courses

- Student's Page for Participating in Exams and Quizzes for the Registered Courses

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Figure 113 – GUI Prototype – Student's Page for Participating in Exams and Quizzes for the Registered Courses

- Student's Page for Participating in the Discussion Forums for the Registered Courses

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Figure 114 – GUI Prototype – Student's Page for Participating in the Discussion Forums for the Registered Courses

## **8. Completed Activities and Achievements**

The analysis and design phases have provided us with valuable experience and allowed to build a platform for the next phase of development. After receiving feedback from advisors and making necessary adjustments we feel ready for this transition. We have started implementing basic functions of our website and testing database design. We have created a rough approximation of a user interface, which will no doubt suffer significant changes in the future, but it gave us an opportunity to better visualize the way we want to implement required functions.